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Major capital improvement needs for the years 1967-1973 at sixteen Ohio state-assisted institutions of higher education are listed. Each institution is treated separately under the classifications--(1) statistical profile, with individual institutional breakdowns of number of students, amount of space, and numbers of staff, (2) operating finances, and (3) project descriptions along with the recommended state appropriation for each project. Progress reports of projects supported by bond issues of 1963 and 1965 for twenty-one state-assisted institutions of higher education are summarized. The total cost of each project is listed along with the amount contributed by the state. followed by its present status and/or its expected completion date. Appendices contain institutional capacities for enrollment growth from 1966-1970 and space standards for new facilities. (NI)

CAPITAL IMPROVEMENT PLAN

for State Assisted Institutions of Higher Education

State of Ohio

1967-1973

Ohio Board of Regents

ED021403

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U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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CAPITAL IMPROVEMENT PLAN for State Assisted Institutions of Higher Education

State of Ohio
1967-1973

Ohio Board of Regents

OHIO BOARD OF REGENTS
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August 15, 1967

Honorable James A. Rhodes
Governor of Ohio

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Speaker, Ohio House of Representatives

Honorable Theodore M. Gray
President Pro Tem, Ohio Senate

Gentlemen:

Section 3333.04(I) of the Revised Code requires the Ohio Board of Regents to make recommendations to the Governor and to the General Assembly concerning the development of State financed capital plans for higher education.

The recommendations of the Board of Regents for capital expenditures during the next six years are submitted herein. Note is made in this presentation and progress is reported in detail concerning the great strides forward made by this State during the past four years in expanding physical facilities for public higher education. Ohio had for many years lagged seriously behind in meeting growing needs for higher education service. It has now made impressive progress toward catching up. This six year proposal would complete that process of catching up and would carry forward a development program in step with increasing needs in this vital public service area.

A great deal of attention has been given by the Board of Regents during the past three years to development of standards by which institutional needs can be measured, and by which effective utilization of plant resources can be assured. The Board is pledged to continue that effort, and this six year proposal is for the first time in Ohio's history based upon uniform standards of needs and utilization.

Sincerely yours,

John Marshall Briley

John Marshall Briley
Chairman

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Major Capital Improvement Needs

State-Assisted Institutions of Higher Education

1967-1973

Great strides forward have been made in Ohio during the past four years in the expansion of higher educational opportunity. Made possible by the state-wide bond issues of 1963 and 1965, a massive physical expansion of higher education has been undertaken. This expansion program has been designed to more than double the enrollment capacity of state-assisted institutions during the decade 1965-1975, and has been characterized by the establishment of new senior state universities, the creation of a far-flung network of two-year commuter centers, and the expansion and strengthening of the central campuses of the long-established state universities.

Where in 1963 and for many years prior to that time, Ohio's system of state-assisted higher education included only six permanent university campuses, in 1967 the state is operating or is actively developing a total of twelve senior universities, a new state medical college, eighteen permanent campuses of two-year state university branches, four two-year community colleges, and five two-year technical institutes.

This expansion program has greatly enhanced the State's ability to support graduate level and professional education of high quality, has brought higher educational opportunity within commuting distance of almost every young person in the State, and has assured that enrollment

growth through the year 1970 can be accommodated in Ohio. (See Appendix A) This reshaping of Ohio's system of state-assisted higher education undertaken in the past four years has no precedent in the State's history and has set the patterns of future development for many years to come.

The impetus gained during these years in establishing Ohio as a leader in the development of its human resources, needs now to be sustained through continued sound capital investment.

Renovation or replacement of obsolete plant, to which attention could not be given in 1963 and 1965, needs now to be undertaken on our longer-established campuses. Expansion of facilities to accommodate enrollment growth during the years 1970-1975 needs now to be provided, both on our central university campuses and throughout the newly established system of two-year centers. Buildings which must be available beginning in the year 1970 should this year be moving into the planning and design stage if we are to stay ahead of rising enrollment demand.

Special attention needs to be given to the development of research facilities which will enhance the abilities of universities to support economic growth and industrial development. Further investment needs to be made in the expansion of library facilities suitable for the support of graduate level and professional programs. Special attention needs to be given in the two-year centers to provision of physical plant suitable for programs of technical education. Finally, science and engineering complexes developed on our various campuses during the 1963 and 1965 programs need now to be brought to completion, and attention turned to urgent physical plant needs in areas of the social sciences, of education, of business and commerce and of the humanities. Only by sustaining its

support of physical development at state-assisted colleges and universities can the State continue to profit by the impressive gains made during the past four years.

The capital improvements proposal presented here for the six year period 1967-1973 is intended to take up each of these urgent matters, and to assure Ohio's ability to sustain an acceptable quality of service through the year 1975. By no means has it been possible in this plan to satisfy all of the needs foreseen by the various state-assisted colleges and universities during these years. Indeed, this 425 million dollar proposal totals less than one-half of the total investment in plant which the institutions collectively recommend as desirable during this period. This proposal encompasses, however, that level of investment which the Board of Regents feels is essential to the continued satisfaction of the State's physical plant needs in the field of higher education, and a level of investment which the State is capable of financing in partnership with applicable federal government participation programs.

It should be pointed out in this regard that federal funds in the amount of 120 million dollars, representing nearly 30 per cent of the total program, are anticipated to be available on a matching basis during the period of this plan. An inability of the State to make available its share of capital construction funds would therefore result not only in failure to meet essential needs in state-assisted higher education, but failure as well to claim for Ohio its fair share of that financing which is administered through the national government.

Great care has been taken in the formulation of this plan to carry out its several objectives in a manner equitable to all of the various institutions now looking to the State for capital development support.

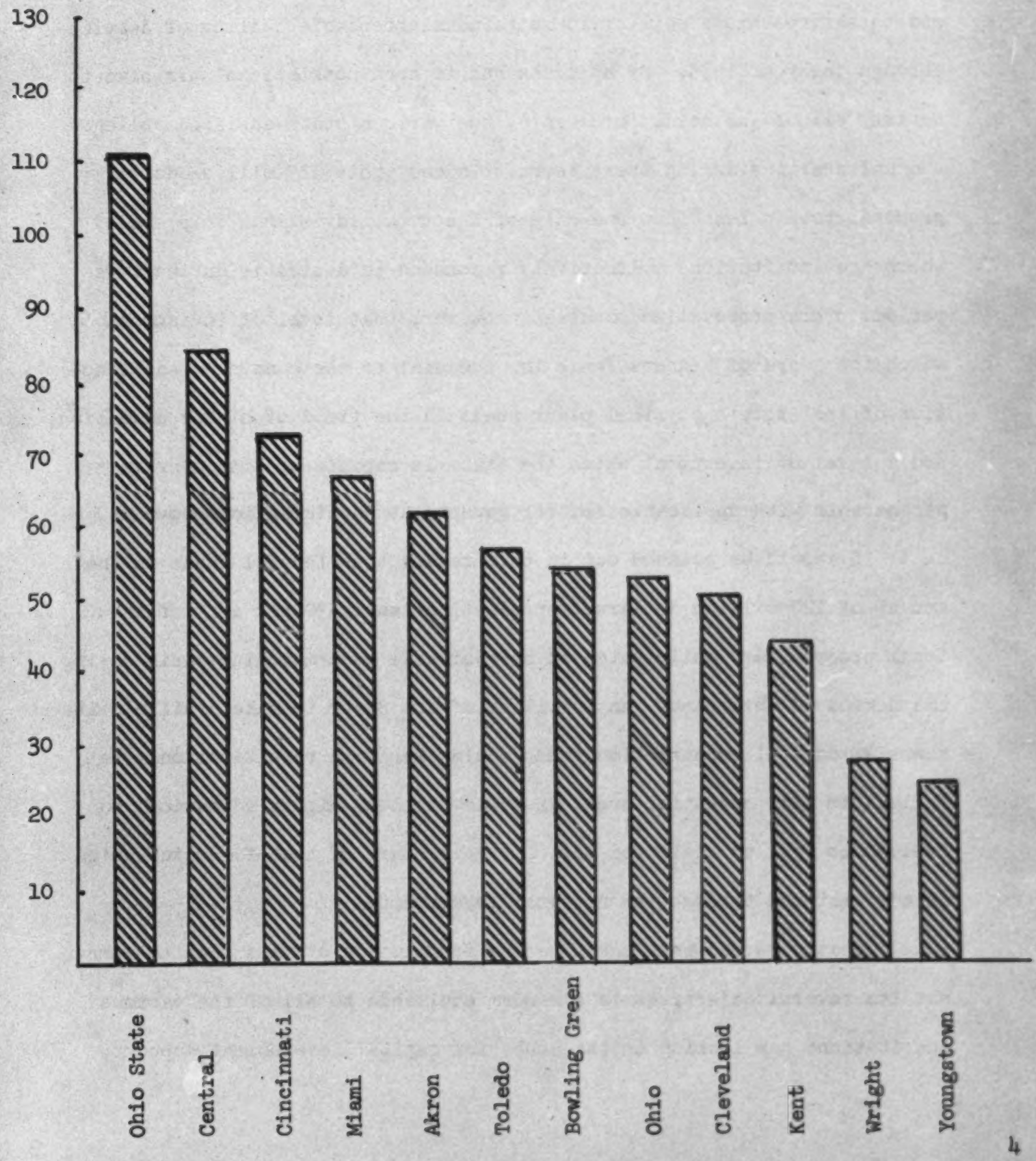
ACTUAL

Chart 1

NET SQUARE FEET AVAILABLE

PER STUDENT

1965



In the recommendation of funds to support the renovation and replacement of obsolete facilities, standard guidelines were established for identifying eligible projects. Special and individualized attention was given to problems of new campus development which cannot easily be related to specific enrollment capacities. Similarly, individual attention was given to urgent needs for utilities expansion and special campus development projects which do not directly add to the instructional capacities of the various institutions.

In every area involving physical space which directly supports student enrollments, procedures were followed which will assure equity among institutions in the amount of physical space available to serve projected enrollment growth. Prior to the bond issues of 1963 and 1965, substantial inequities existed among the various state-assisted institutions in the amount of physical space available per student enrolled. Chart 1 shows the amounts of space available per student at the campuses of four-year institutions as of the fall of 1965. This comparison reflects the total of five standard categories of space, all of which can reasonably be related to the number of students enrolled on a given campus: instructional space, library space, research space, student services space, and space devoted to administration. Chart 1 reflects space available before any buildings financed by the 1963 and 1965 bond issues had come into use, and illustrates the existence of substantial inequities.

The capital improvements proposals included in this plan were based on the assumption that most of the four-year state-assisted institutions are sufficiently near the same stage of development in terms of

programs offered, as to make appropriate a standard per student space allocation. An obvious exception to this standard is the Ohio State University which is sufficiently more advanced in its graduate and professional programs as to require a higher level of physical plant development. Certain difficulties arise also at the newly developing campuses, where needs for special purpose buildings make application of a standard space allocation difficult at this point in time. Great effort has been made in this capital improvements proposal, however, to achieve substantial equity among four-year institutions. In keeping with various recommended national standards of space needs, an allocation of 75 square feet of assignable space was chosen as attainable and appropriate during the years immediately ahead. This allocation includes the same five categories of space shown for 1965 in Chart 1, and assumes that assignable space will represent approximately 66 per cent of total gross square footage. (See also, Appendix B) Within the limits of space needs as defined in these procedures, the project descriptions contained herein have been prepared from materials submitted by each state-assisted institution in accordance with the institution's judgment about its most urgent requirements.

Chart 2 shows the amount of space per student which would be available at each of the four-year campuses upon completion of projects proposed in this plan, as compared with 1965 data earlier shown in Chart 1. This second Chart illustrates a striking achievement of equity among institutions as well as a substantial gain in the overall level of space available on the campuses of the state-assisted institutions.

The space inventories reflected in Chart 1 for the year 1965, and projected in Chart 2 for the year 1975, are based upon full-time equivalent

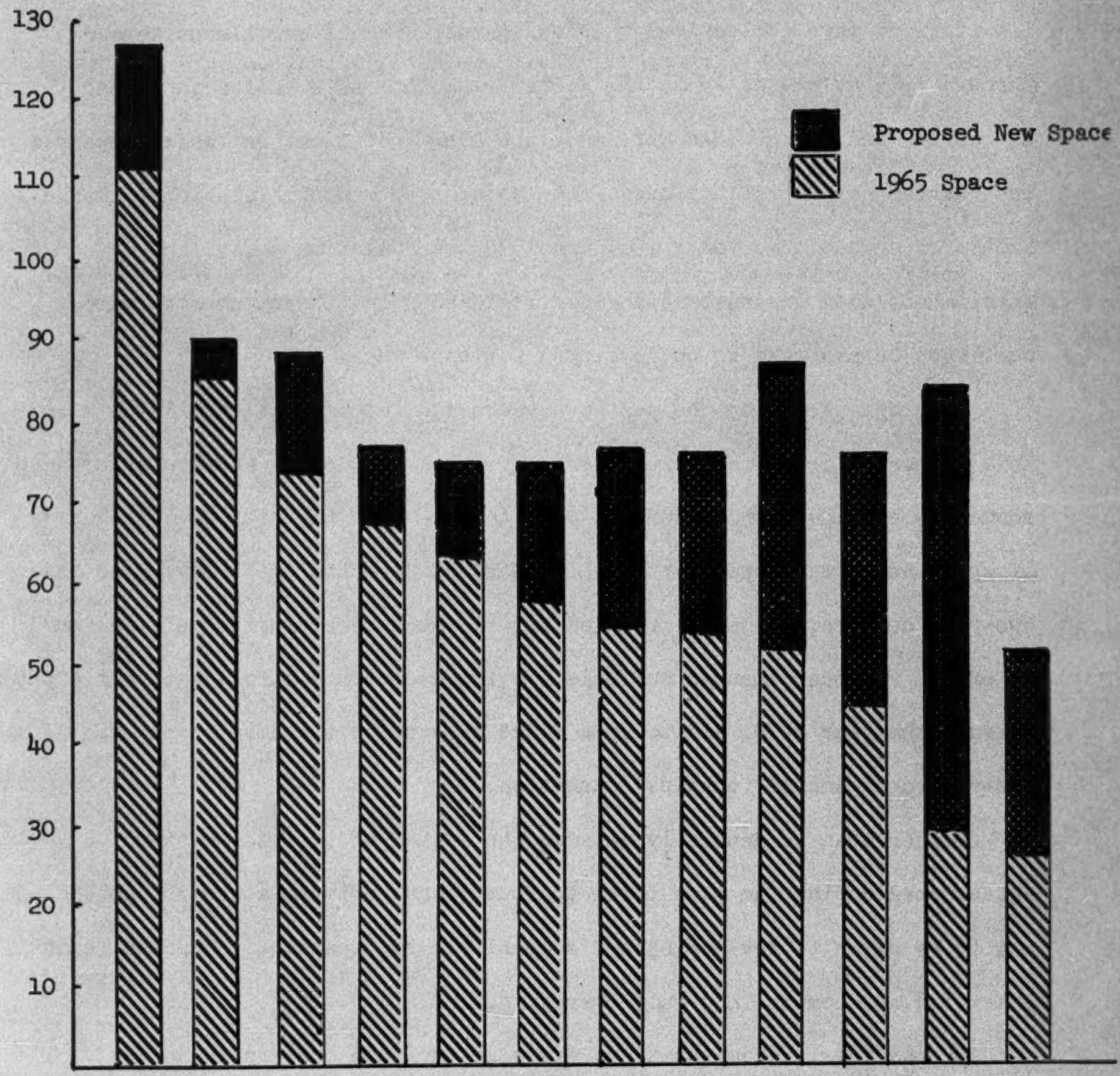
Chart 2

PROPOSED

NET SQUARE FEET AVAILABLE

PER STUDENT

1975



day students. This enrollment measure has been chosen as best reflecting the physical plant capacities which must be developed at the various campuses. The enrollment projections used for the various state-assisted universities are based upon data submitted by each institution and adjusted by the Board of Regents staff. Enrollment projections made by the individual institutions were collectively tested against overall enrollment demand through 1975 as projected in the Master Plan for State Policy in Higher Education, and adjustments were made wherever individual estimates appeared inconsistent with expectations of the total system of institutions. Table 1 shows for each of the years 1965 and 1975 the full-time equivalent day enrollments used in constructing Charts 1 and 2 and the amount of space available or proposed to be developed for each year.

Development during the past two years and recommendations included in this proposal for further expansion of two-year centers - university branches, community colleges, and technical institutes - have also followed standards of space needs developed by the Ohio Board of Regents. With regard to the two-year centers, projects proposed for the next several years are designed to expand various campuses sufficiently to accommodate enrollments anticipated through the year 1975, and to give added impetus to the development of two-year programs of technical education.

Rather than to generally enlarge the system of two-year centers established during the past three to four years, primary attention needs now to be given to developing and selectively to expanding centers already chartered and coming into full operation.

Beyond this, recommendations are also included concerning needed additional development on the campus of the Agricultural Research and

Table 1

Comparison of Net Space* Per Full Time Equivalent
Daytime Student
1965 and 1975

Institution	1965 Daytime FTE Students	1965 Total Net Space	1965 Square Feet Per Student	1975 Daytime FTE Students	1975 Total Net Space	1975 Square Feet Per Student
Akron	5,500	343,000	62	12,500	932,000	74
Bowling Green	9,600	522,000	54	16,000	1,212,000	76
Central State	2,100	179,000	85	4,000	361,000	90
Cincinnati	13,200	957,000	73	20,000	1,767,000	88
Cleveland State	3,700	189,000	51	15,000	1,287,000	86
Kent State	12,500	556,000	44	21,000	1,570,000	75
Miami	9,600	643,000	67	15,000	1,140,000	76
Ohio State	33,000	3,656,000	111	46,000	5,822,000	126
Ohio University	14,000	737,000	53	22,000	1,642,000	75
Toledo	7,200	413,000	57	16,000	1,190,000	74
Wright State	2,100	58,000	28	5,500	458,000	83
Youngstown	7,000	175,000	25	14,000	715,000	51

*Net Spqce includes only areas devoted to instruction and instructional support, libraries, research, student services and administration.

Development Center, and concerning desirable investments in specialized research centers through which the universities can make increasing contributions to industrial development and general economic growth in Ohio.

MAJOR CAPITAL IMPROVEMENT NEEDS

State-Assisted Institutions of Higher Education

1967-1973

Major Capital Improvements Needs
State-Assisted Institutions of Higher Education
1967-1973

	Total 1967-1973
University of Akron	$ 24,000,000
Bowling Green State University	19,000,000
Central State University	7,000,000
University of Cincinnati	29,000,000
Cleveland State University	60,000,000
Kent State University	32,000,000
Miami University	13,000,000
Ohio State University	50,000,000
Ohio University	27,000,000
University of Toledo	24,000,000
Wright State University	15,000,000
Youngstown State University	24,000,000
Toledo State College of Medicine	30,000,000
Two Year Education	46,000,000
Agricultural Research and Development Center	5,000,000
University Research Centers	20,000,000
Total	$425,000,000

UNIVERSITY OF AKRON
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Central Campus	6,250
Upper Division	2,400
Professional/Baccalaureate	650
Masters Level	625
Graduate/Professional	140
Doctoral Level	60
Total	10,125

CAPITAL PLANT

Main Campus Acreage	66
Net Square Feet of Space:	
Instruction and Support	440,833
Libraries	50,242
Research	34,964
Student Services	2,552
Administration	22,053
Total	550,644

STAFFING
1966-67

	Regular	Part-Time
Administrative	83	2
Instructional	393	131
Libraries	37	3
Student Services	52	9
Plant Operation	123	1
Auxiliary Services	57	-
Other	37	110
Total	782	256

OPERATING FINANCES
1966-67

INCOME:		
Current General Income		
State and Local Appropriation		$ 2,863,700
Student Fees		4,227,400
Endowment		28,600
Gifts and Grants		338,000
Government Grants		49,000
Departmental Sales		-
Other		662,800
	Sub-Total	$ 8,169,500
Research		284,200
Public Services		175,000
Auxiliary Services		1,395,000
Student Aid		190,000
	Total	$10,213,700
EXPENDITURES:		
Instruction and General		$ 7,369,150
Research		284,200
Public Services		150,000
Auxiliary Services		1,186,000
Student Aid		260,000
	Total	$ 9,249,350

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 109

Community and Technical College
University of Akron

UNIVERSITY OF AKRON
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Library and Learning Resources Center	$10,000,000
Heating Plant	2,000,000
Law Center	2,000,000
Humanities and Social Sciences Classroom Bldg.	3,000,000
Music, Speech and Drama Building	3,500,000
Community and Technical College Expansion	1,500,000
Land	500,000
Renovation of Existing Plant	1,500,000
Total	$24,000,000

PROJECT DESCRIPTIONS

Library and Learning Resources Center

This structure will be the key to the growth of the University Library space now totals 43,927 square feet, which is entirely inadequate for the present student body, to say nothing of future growth. The concept of total information availability will enable students to do a great deal more independent study than is commonly done in a library. New teaching and learning techniques involving the use of computer satellites in study carrels, audio and video tapes, motion pictures, microfilm readers and new automated equipment units will make this project the core of the educational process.

Recommended State Appropriation $10,000,000

Heating Plant

The present heating plant is capable of heating only existing buildings and those currently under construction. Because of its location the present plant cannot be expanded. It is proposed to construct a new heating plant to the west of the campus in an area unsuitable for academic expansion, but with necessary space for all foreseen utilities expansion. Two gas fired boilers with 70,000 lb. capacity would be transferred from the present plant, and a new coal fired boiler with 70,000 lb. capacity would be added. This total capacity of

PROJECT DESCRIPTIONS, continued

Heating Plant (continued)

140,000 lb. would take care of needs for some years. An electrical distribution substation would be included in the project, as well as extensions of existing utility tunnels.

Recommended State Appropriation $2,000,000

Law Center

The College of Law and the College of Business Administration, both located in the same building, are expanding rapidly. The College of Law opened its day school program in 1966 with 69 new students, some 30-35 more than had been anticipated. At the same time the College of Business Administration has expanded its graduate offerings and is already cramped for space. A logical solution is to construct a new Law Center, which will enable the College of Business Administration to expand into space now occupied by the College of Law.

Recommended State Appropriation $2,000,000

Humanities and Social Sciences Classroom Building

The need for general classroom space is most acute at the University of Akron. At present the English Department has offices in three buildings and teaches classes in four buildings. Modern Languages has its faculty housed in four buildings, many of them a considerable distance from the language laboratories and recording studios. Philosophy occupies an old frame house near the campus. It is proposed to bring the departments of Classics, Economics, English, History, Modern Languages, Philosophy and Political Science into the new building, providing general classrooms, faculty offices and language laboratories in these fields of study.

Recommended State Appropriation $3,000,000

Music, Speech and Drama Building

This building is a portion of a Performing Arts Center which will be a joint project of the community and the University. The University's Firestone Conservatory of Music is housed in a church built in 1887 which is some distance from the center of the campus. The Speech and Drama departments are housed in a classroom building which is needed for expansion of general

PROJECT DESCRIPTIONS, continued

Music, Speech and Drama Building (continued)

classrooms for other departments. The proposed Performing Arts Center will include a major multi-purpose theatre suitable for stage productions and symphony orchestra performances. This theatre will be funded by the community. The Music, Speech and Drama Building will house those three departments and will contain faculty offices, classrooms, practice and rehearsal rooms, and a concert-recital hall.

Recommended State Appropriation $ 3,500,000

Community and Technical College Expansion

This is the second phase of the Community and Technical College Building which houses one of the most rapidly growing and one of the most needed programs of the University. The first phase, a $7,000,000 academic building, will be completed in early 1969, but will require immediate expansion. The second phase is needed primarily to provide laboratory space for additional technical programs presently being planned. It will also provide faculty office space and some badly needed study space for a large number of commuting students.

Recommended State Appropriation $ 1,500,000

Land

This University, located in the center of the city, is bounded on all sides by industry and residences. Ten years ago the campus area totaled less than 22 acres. Through an urban renewal project and the purchase of private residences, land holdings have expanded to approximately 65 acres. The construction of further academic buildings, the extensive enrollment increases, and the problems engendered by a commuting student body all require a continuing expansion of the campus.

Recommended State Appropriation $ 500,000

Renovation of Existing Plant

The completion of the Science and Engineering Center, the Community and Technical College Building, and the Library and Learning Resources Center will permit a major realignment of space, particularly in Simmons Hall and in the present Library. Simmons Hall was built in three stages, the first in 1917 and

PROJECT DESCRIPTIONS, continued

Renovation of Existing Plant (continued)

the last as a WPA project in 1936. The oldest space should be demolished since the cost of remodeling would exceed the cost of new space, and it is too obsolete to continue in use in its present condition. The newest area of Simmons Hall will be remodeled to contain the Computer Center, the Sociology Department and the Psychology Department. The present Library, built in 1946, will provide some desperately needed administrative office space. These offices are now scattered all over the campus. The consolidation of offices will permit the establishment of a central filing and recording system, with attendant increases in efficiency.

Recommended State Appropriation $1,500,000

BOWLING GREEN STATE UNIVERSITY
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	6,400
Academic Centers	500
Branches	700
Upper Division	5,000
Professional/Baccalaureate	1,100
Masters Level	800
Graduate/Professional	
Doctoral Level	100
Medical Programs	
Total	14,600

CAPITAL PLANT

Main Campus Acreage	1,000
Net Square Feet of Space:	
Instruction and Support	578,187
Libraries	217,790
Research	43,465
Student Services	7,032
Administration	44,144
Total	887,618

STAFFING
1966-67

	Regular	Part-Time
Administrative	361	452
Instructional	472	334
Libraries	35	6
Student Services	89	170
Plant Operation	337	20
Auxiliary Services	275	600
Other	10	8
Total	1,579	1,590

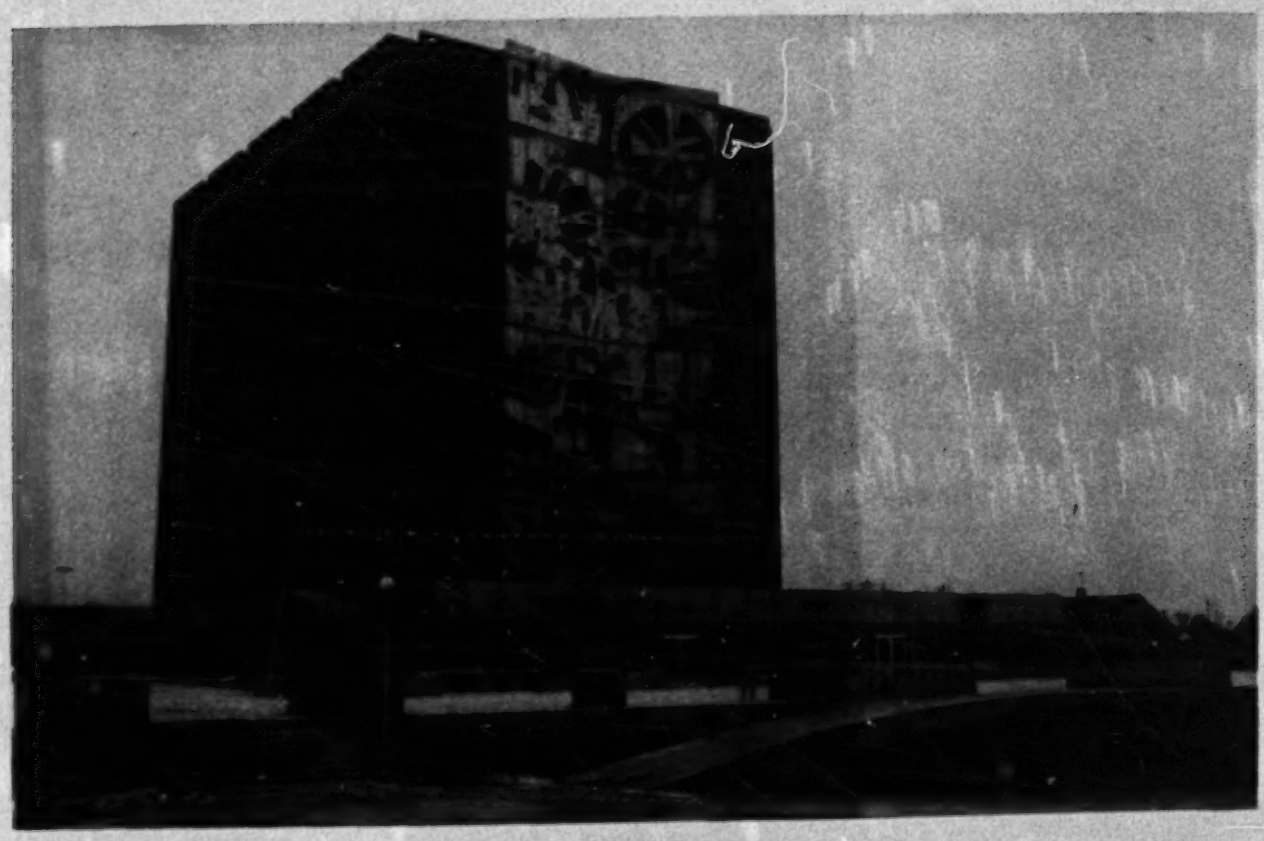
BOWLING GREEN STATE UNIVERSITY
STATISTICAL PROFILE, continued

OPERATING FINANCES
1966-67

INCOME:		
Current General Income		
State Appropriation		$ 6,547,610
Student Fees		5,561,990
Endowment		-
Gifts and Grants		118,000
Government Grants		40,325
Departmental Sales		59,680
Other		427,150
	Sub-Total	$12,754,755
Research		153,100
Public Services		431,725
Auxiliary Services		9,732,183
Student Aid		495,000
	Total	$23,566,763
EXPENDITURES:		
Instruction and General		$13,071,635
Research		153,000
Public Services		417,496
Auxiliary Services		9,622,871
Student Aid		495,000
	Total	$23,760,002

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 109



University Library
Bowling Green State University

BOWLING GREEN STATE UNIVERSITY
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

College of Business Administration Building	$ 4,658,000
Industrial Education Building	3,859,000
Chemistry Building	5,287,000
Performing Arts and Continuing Education Center	2,856,000
University Hall Remodeling	1,773,000
Utility Extensions and Other Renovations	250,000
South Hall Renovation	317,000
Total	$19,000,000

PROJECT DESCRIPTIONS

College of Business Administration Building

This major classroom building will contain laboratories and faculty offices as well as general classrooms. Some classrooms will be especially designed for television instruction with adjacent control and broadcast rooms. Specialized laboratories will be constructed for instruction in statistics and journalism. In the journalism laboratories there will be specialized facilities for writing and reporting, editing, photography, typography, advertising and teletyping. There will also be areas for faculty research and a study center for graduate students in business administration. Funds will also permit removing the old football stadium, which is to be the site of this building.

Recommended State Appropriation $ 4,658,000

Industrial Education Building

Bowling Green has long had a strong program of industrial arts within the College of Education. Present facilities are located in a World War II airport hangar a considerable distance from the central campus. This new building will provide classrooms and laboratories for instruction in industrial, vocational and

PROJECT DESCRIPTIONS, continued

Industrial Education Building (continued)

technical education. Specifically, it will contain facilities in electronics, industrial technology, computer technology, and teacher preparation in mechanics, machine shop, forging and welding, general foundry, engineering drawing and graphic arts. Much existing equipment, obtained as war surplus in the 1940's, has become outmoded as a result of technological advancements, and needs replacement.

Recommended State Appropriation $ 3,859,000

Chemistry Building

This latest phase of the physical science complex will bring together most of the physical sciences on this campus. Instruction in chemistry is now conducted in Overman Hall, which, although built in 1949, is inadequate to handle the enrollments in this field. This new building will provide laboratories, instrument rooms, research space and offices for enrollment expansion at both undergraduate and graduate levels. Upon completion of a new chemistry building, Overman Hall will be used to provide expansion in the Departments of Geology and Physics.

Recommended State Appropriation $ 5,287,000

Performing Arts and Continuing Education Center

The expanding demands for space for conferences related to business, industry, education and governmental agencies accentuates the need for a center where these activities can be scheduled during the day and evening hours. This building will include an auditorium, a smaller lecture hall, conference rooms, a stage and auxiliary rooms and administrative offices. It will also serve as the assembly place for students at all levels and the faculty for cultural events related to the performing arts.

Recommended State Appropriation $ 2,856,000

University Hall Remodeling

University Hall was built in 1912, and was used as the administration building until 1963. In spite of its age, the building is structurally sound, but in need of very major renovation. The building requires new plumbing, heating and electrical systems, air conditioning, floors, windows and door frames. In

PROJECT DESCRIPTIONS, continued

University Hall Remodeling (continued)
addition the building should be tuck pointed, and the parapets and cornices will be remodeled. The 1,100 seat main auditorium will be remodeled and redesigned, and the present stage and lighting facilities will be replaced.

Recommended State Appropriation $ 1,773,000

Utility Extensions and Other Renovations
Rapid campus expansion has prevented adequate utilities extensions. These funds will be used to improve utilities, plus limited renovation of other buildings vacated when current construction is completed.

Recommended State Appropriation $ 250,000

South Hall Renovation
Completion of the new Psychology Building will permit the use of South Hall for instruction in speech. The building will be air conditioned, and space will be altered to meet the needs of the new tenants.

Recommended State Appropriation $ 317,000

CENTRAL STATE UNIVERSITY
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	1,410
Academic Centers	20
Branches	
Upper Division	1,200
Professional/Baccalaureate	150
Masters Level	30
Graduate/Professional	
Doctoral Level	
Medical Programs	
Total	2,810

CAPITAL PLANT

Main Campus Acreage	60
Net Square Feet of Space:	
Instruction and Support	181,576
Libraries	24,357
Research	1,316
Student Services	2,142
Administration	37,782
Total	247,173

STAFFING
1966-67

	Regular	Part-Time
Administrative	51	
Instructional	121	2
Libraries	19	1
Student Services	20	
Plant Operation	83	
Auxiliary Services	86	
Other	19	
Total	399	3

OPERATING FINANCES
1966-67

INCOME:		
Current General Income		
State Appropriation		$ 1,926,766
Student Fees		1,005,358
Endowment		
Gifts and Grants		
Government Grants		
Departmental Sales		42,700
Other		
	Sub-Total	$ 2,974,824
Research		20,000
Public Services		125,000
Auxiliary Services		1,636,555
Student Aid		3,700
	Total	$ 4,760,079
EXPENDITURES:		
Instruction and General		$ 2,640,090
Research		20,000
Public Services		125,000
Auxiliary Services		1,400,271
Student Aid		229,500
	Total	$ 4,414,861

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 110

General Classroom Building (Arts and Science)
Central State University

CENTRAL STATE UNIVERSITY
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Classroom Building - Visual and Performing Arts	$ 2,000,000
Addition to Library	2,000,000
Teacher Education Building	2,000,000
Sewage Treatment Plant Expansion	400,000
Renovation and Plant Improvement	600,000
Total	$ 7,000,000

PROJECT DESCRIPTIONS

Classroom Building - Visual and Performing Arts

Present facilities for Fine Arts are in two buildings: Poindexter Hall, a former carpentry shop built in 1907 is scheduled to be demolished, and houses the Art Department. The School of Music is located in a reconstructed surplus World War II officers' club. The only sizeable auditorium on campus is located in Galloway Hall, which was built in 1906 and is scheduled to be demolished as a fire hazard. This new building will provide an adequate auditorium for theatre and music, as well as classrooms, teaching laboratories and faculty offices for various programs in the field of Fine Arts.

Recommended State Appropriation $ 2,000,000

Addition to Library

The enrollment goal at Central State is 5,000 students. Library facilities are inadequate to accommodate the present student body, to say nothing of a student body of this size. The present Library was built in 1958 and is in good condition. This proposed addition will more than triple the size of the present building and is expected to meet the needs of the University for the immediate future.

Recommended State Appropriation $ 2,000,000

PROJECT DESCRIPTIONS, continued

Teacher Education Building

The College of Education, the second largest college in the University, is housed in a 1924 classroom building containing less than 10,000 gross square feet. The present building is completely inadequate for the teacher education program. The new building will provide classrooms, teaching laboratories and faculty offices for the expansion of this program.

Recommended State Appropriation $ 2,000,000

Sewage Treatment Plant Expansion

Generally, utilities at Central State have been greatly upgraded through spending in the last few years. The State Department of Health has advised the University that the sewage treatment plant is inadequate for the existing campus. As enrollment grows toward the goal of 5,000 students, this inadequacy will increase. The expansion will include concrete tanks, aeration blowers, sludge collecting mechanisms, sewage screen and sludge disposal facilities.

Recommended State Appropriation $ 400,000

Renovation and Plant Improvement

The capital plant is in need of an extensive preventive maintenance program. While smaller projects can be financed from operating appropriations, the larger projects require other funds. A major item here is the completion of the renovation in the heating system at Banneker Hall. This project has been partially completed, but maximum heating efficiency cannot be obtained until the project is fully completed.

Recommended State Appropriation $ 600,000

UNIVERSITY OF CINCINNATI
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	9,805
Academic Centers	200
Branches	1,000
Upper Division and Professional	8,165
Masters Level	1,500
Graduate/Professional	440
Doctoral Level	430
Medical Programs	385
Total	21,925

CAPITAL PLANT

Main Campus Acreage	147
Net Square Feet of Space:	
Instruction and Support	817,459
Libraries	109,949
Research	195,439
Student Services	25,256
Administration	123,710
Total	1,271,813

STAFFING
1966-67

	Regular	Part-Time
Administrative	142	40
Instructional	1,116	1,339
Libraries	65	71
Student Services	120	105
Plant Operation	183	20
Auxiliary Services	516	278
Other	2,189*	397*
Total	4,331	2,210

*includes 1,671 regular and 173 part-time medical center employees

UNIVERSITY OF CINCINNATI
STATISTICAL PROFILE, continued

OPERATING FINANCES
1966-67

INCOME:		
Current General Income		
State and Local Appropriation		$ 5,445,467
Student Fees		13,445,209
Endowment		1,340,632
Gifts and Grants		943,001
Government Grants		2,085,000
Departmental Sales		123,300
Other		589,965
	Sub-Total	$23,972,574
Research		5,248,168
Public Services		14,000
Auxiliary Services		7,008,028
Student Aid		453,158
	Total	$36,695,928
EXPENDITURES:		
Instruction and General		$22,384,316
Research		5,733,214
Public Services		116,716
Auxiliary Services		6,473,630
Student Aid		1,687,533
	Total	36,395,409

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 110

Raymond Walters Branch
University of Cincinnati

UNIVERSITY OF CINCINNATI
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

College of Medicine Expansion	$ 10,000,000
Engineering Building Expansion	2,500,000
Beecher Hall Addition	730,000
Library	3,460,000
Physics and Geology Building	1,760,000
Graduate Engineering Building	3,520,000
Industrial Design and Architecture Bldg.	2,430,000
Renovation of Chemistry and Biology Bldg.	1,600,000
Utilities Expansion	3,000,000
Total	$ 29,000,000

PROJECT DESCRIPTIONS

College of Medicine Expansion

The people of the Cincinnati area have provided $17,500,000 for a new General Hospital which will be completed shortly. This, and other hospitals in the vicinity of the College of Medicine, provide an exceptional base for instruction in the field of medicine. Since 1918, the College of Medicine has had only limited improvements in teaching, research and office facilities. The University's consultants have developed a master plan for expansion and updating of present facilities. Included in the plan is expansion which will permit a 25% increase in enrollment in the College of Medicine to assist in meeting the critical need for Doctors of Medicine in Ohio. The proposed Phase I construction, costing $24,000,000 in total, will house facilities for basic sciences, clinical sciences, a study area and an enlarged library.

Recommended State Appropriation $ 10,000,000

Engineering Building Expansion

The Science and Engineering Complex includes a six-story office-laboratory structure for the College of Engineering. Only the first three floors of this building will be completed in Phase I construction. This project calls for completion of

PROJECT DESCRIPTIONS, continued

Engineering Building Expansion (continued)

the building, involving the top three floors. This building, plus an eventual 12 story structure, will house the College of Engineering, and will permit the development of the College on the basis of unified efforts rather than upon individual departments. The building will permit the expansion of enrollments in the field of engineering at both the graduate and undergraduate level.

Recommended State Appropriation $ 2,500,000

Beecher Hall Addition

This five-story addition to Beecher Hall will make available more space for the administrative offices of the University, now housed in the existing Administration Building and in Beecher Hall. All of the administrative offices are cramped for space presently and within the next year these offices will be spread into at least two other buildings on campus. The space will provide some 50 administrative offices.

Recommended State Appropriation $ 730,000

Library

The present library is desperately overcrowded in both stack space and study areas. The University has not been able to keep pace with student population growth in terms of reading rooms, study areas and stacks. As a consequence, book purchases have necessarily been curtailed to a point that the national reputation as one of the outstanding libraries in the country is endangered. The present Library was designed for expansion, which will be accomplished by this project. The Library will then be divided into two major areas: undergraduate, emphasizing many reading and study rooms and general reference areas; and graduate, containing study carrels, stacks and areas for more specialized and detailed work.

Recommended State Appropriation $ 3,460,000

Physics and Geology Building

This is the first phase of a project to bring all of Physics and Geology within the much larger Science and Engineering Complex. The Department of Geology is now housed in a 79 year old building which is scheduled for demolition as soon as it

PROJECT DESCRIPTIONS, continued

Physics and Geology Building (continued)

can be vacated. Physics is located in a laboratory building designed many years ago for different standards than now exist. Much of the present building is underground, and the utilities are inadequate for modern laboratory needs.

Recommended State Appropriation $ 1,760,000

Graduate Engineering Building

This is the second building for the College of Engineering mentioned above as a corollary to the Engineering Building Expansion. This structure will be devoted chiefly to graduate study and faculty offices and research. These two buildings constitute an integral part of the overall Science and Engineering Complex which will constitute a very major development in total on the University Campus.

Recommended State Appropriation $ 3,520,000

Industrial Design and Architecture Building

This building will house the Departments of Industrial Design, Architecture and Community Planning. It will be located adjacent to the Alms Building which houses as much as possible of this College. In recent years, the University has been forced to use former residences to house the offices and studios for the Master of Fine Arts programs. In addition, admissions to the freshmen class have had to be limited because of the space problem. This new building will primarily house undergraduates, and will provide classrooms, studios and faculty offices.

Recommended State Appropriation $ 2,430,000

Renovation of Chemistry and Biology Buildings

Because of timing problems, it was recently decided by the University to build the 5th floor of the Chemistry-Biology Building in order to bring the Botany Department into the Science and Engineering Complex as quickly as possible. Funds for Botany were made available from earlier allocations for renovation of the Chemistry and Biology Buildings. Chemistry and Biology will move to new buildings soon, which makes those old buildings available for major renovation. This project will

PROJECT DESCRIPTIONS, continued

Renovation of Chemistry and Biology Buildings (continued)
involve major changes to bring these buildings up to date. It will include electrical work, plumbing, floors, ceilings and partitions so that the space may be used to best advantage for general classrooms and offices.

Recommended State Appropriation $ 1,600,000

Utilities Expansion
The first phase of a utilities expansion program is now underway at the University. This first phase is aimed, however, at primarily providing services for the buildings at the new Science and Engineering Center. This portion of the utilities expansion will take into consideration the long term needs of the institution. The total package will include an additional 100,000 lb. steam boiler, building expansion, water lines, gas lines, sewers, telephone lines, air conditioning equipment, electrical equipment and transmission tunnels and lines.

Recommended State Appropriation $ 3,000,000

CLEVELAND STATE UNIVERSITY
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	5,500
Academic Centers	1,000
Branches	
Upper Division	1,100
Professional/Baccalaureate	600
Masters Level	50
Graduate/Professional	
Doctoral Level	
Medical Programs	
Total	8,250

CAPITAL PLANT

Main Campus Acreage	15
Net Square Feet of Space:	
Instruction and Support	381,845
Libraries	200,776
Research	2,200
Student Services	11,879
Administration	80,793
Total	677,493

STAFFING
1966-67

	Regular	Part-Time
Administrative	47	13
Instructional	195	140
Libraries	15	18
Student Services	40	13
Plant Operation	70	6
Auxiliary Services	12	13
Other		
Total	379	203

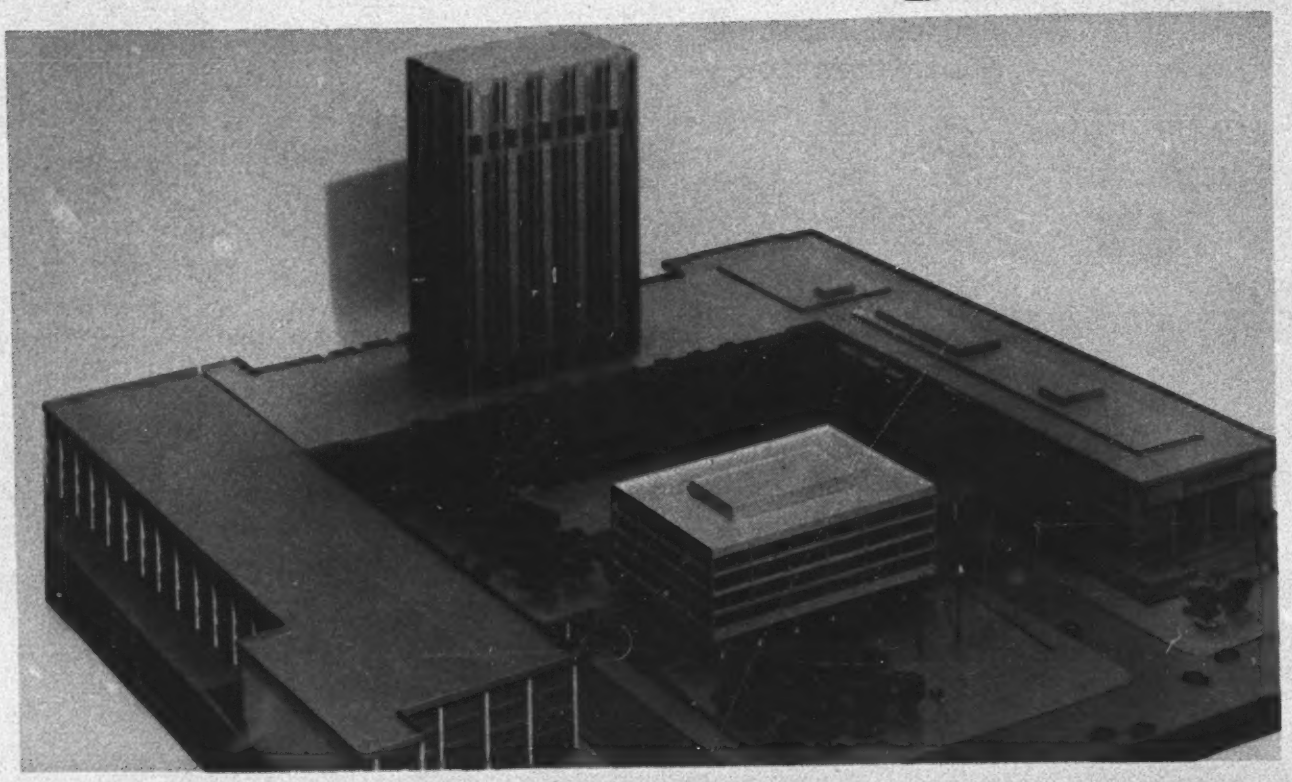
CLEVELAND STATE UNIVERSITY
STATISTICAL PROFILE, continued

OPERATING FINANCES
1966-67

INCOME:		
Current General Income		
State Appropriation		$ 2,900,860
Student Fees		2,894,100
Endowment		
Gifts and Grants		20,000
Government Grants		11,000
Departmental Sales		25,000
Other		200,350
	Sub-Total	$ 6,051,310
Research		
Public Services		22,000
Auxiliary Services		776,680
Student Aid		142,660
	Total	$ 6,992,650
EXPENDITURES:		
Instruction and General		$ 5,976,780
Research		
Public Services		20,850
Auxiliary Services		787,810
Student Aid		190,000
	Total	$ 6,975,440

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 111



Student Union Building, Library Office Tower,
Administration Building, and Classroom Building
Cleveland State University

CLEVELAND STATE UNIVERSITY
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Land	$15,000,000
Activities Center	6,500,000
Classroom Building-Education	5,000,000
Library Addition	2,300,000
Classroom Building-Business Administration	5,000,000
Fine Arts Building	4,800,000
Student Union Building	5,500,000
General Classroom Building	6,300,000
Science Building Addition	1,600,000
Campus Decking	6,500,000
Renovation	1,500,000
Total	$60,000,000

PROJECT DESCRIPTIONS

Land

With the completion of buildings from funds provided in the 1963 and 1965 bond issues, land becomes one of the most acute problems. The original Fenn College holdings totaled 7.5 acres. The University has added 11.6 acres through purchases in recent months so that land holdings now total about 19 acres. Areas for parking and for physical education are most acute problems. There are no outdoor physical education facilities, nor will there be for some time to come. Parking decks are being constructed under new buildings, but this will take care of only a part of the potential commuter traffic. The University hopes to buy land in four areas in the near future in the Payne-Chester area for an Activities Center; the area bounded by Euclid, 18th, Chester, and 21st; the McKee property which separates present Cleveland State holdings; and urban renewal land in the general area of the University. The continued growth and well-being of the institution are dependent upon an expansion of land holdings. The master campus plan calls for an area of 144 acres, located in the area generally bounded by Euclid on the south, 18th Street on the west, Superior on the north and the expressway on the east.

Recommended State Appropriation $ 15,000,000

PROJECT DESCRIPTIONS, continued

Activities Center

A $13,000,000 Activities Center is proposed, one-half to be provided by the State and the remainder to be provided by self-liquidating bonds. The Activities Center will offer physical education facilities and facilities for spectator sports.

Recommended State Appropriation $ 6,500,000

Classroom Building-Education

University planning envisions a student body totaling 15,000 full-time equivalent day students by 1975. This will require intensive expansion of general classroom buildings as well as of specialized facilities. The College of Education is expected to continue to be one of the major colleges within the institution. This new building will provide classrooms,laboratories, faculty offices, and other necessary space for that College.

Recommended State Appropriation $ 5,000,000

Library Addition

The original Library building is designed to provide for expansion as funds become available. The original building will be inadequate for a student body the size of that anticipated in the near future, particularly in view of the large commuter population. This addition will provide more space for stacks, reading rooms, and study facilities.

Recommended State Appropriation $ 2,300,000

Classroom Building-Business Administration

As is the case with the College of Education, the College of Business Administration will be in need of general instructional facilities, plus general administrative offices for the College. This building will be a part of the expansion to meet enrollment demands which will continue to rise precipitously.

Recommended State Appropriation $ 5,000,000

PROJECT DESCRIPTIONS, continued

Fine Arts Building

This building will be the focal point for a comprehensive fine arts program, including teaching laboratories, art studios, theater facilities, music classrooms, faculty offices, and graduate space.

Recommended State Appropriation $ 4,800,000

Student Union Building

The University has not been able to build up the resources for construction of this kind of a project, which other institutions have been able to acquire as a result of more gradual growth. State assistance is imperative if needs are to be met. This $11,000,000 project will be financed in part by the State and in part by self-liquidating bonds.

Recommended State Appropriation $ 5,500,000

General Classroom Building

This building will have a lower priority than the preceding structures. It will provide general classrooms as needed for enrollment expansion and the building schedule will depend upon the growth of enrollment.

Recommended State Appropriation $ 6,300,000

Science Building Addition

This building will expand the Science Building currently under construction. It will provide laboratories and faculty offices needed for increases in enrollments in the various fields of the physical sciences.

Recommended State Appropriation $ 1,600,000

PROJECT DESCRIPTIONS, continued

Campus Decking

The Campus Master Plan envisions a series of buildings connected by decking and walkways above ground level. This is valuable for a variety of reasons, but the two major reasons are: to separate to the greatest extent possible vehicular traffic from pedestrian traffic; and to provide better pedestrian traffic flow in an extremely congested main campus.

Recommended State Appropriation $ 6,500,000

Renovation

The original three Fenn College buildings will require extensive renovations as soon as the programs are removed to new structures. The buildings are basically sound, but there will have to be electrical work, plumbing and adjustments in partitions in order to use the space most effectively.

Recommended State Appropriation $ 1,500,000

KENT STATE UNIVERSITY
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	9,000
Academic Centers	1,150
Branches	2,950
Upper Division	6,600
Professional/Baccalaureate	1,800
Masters Level	1,800
Graduate/Professional	
Doctoral Level	350
Medical Programs	
Total	23,650

CAPITAL PLANT

Main Campus Acreage	610
Net Square Feet of Space:	
Instruction and Support	704,624
Libraries	257,124
Research	7,653
Student Services	6,534
Administration	41,979
Total	1,017,914

STAFFING
1966-67

	Regular	Part-Time
Administrative	166	57
Instructional	979	676
Libraries	60	81
Student Services	117	60
Plant Operation	271	23
Auxiliary Services	482	698
Other	30	38
Total	2,105	1,633

KENT STATE UNIVERSITY
STATISTICAL PROFILE, continued

OPERATING FINANCES
1966-67

INCOME:

Current General Income		
State Appropriation		$ 9,593,500
Student Fees		8,163,000
Endowment		
Gifts and Grants		10,000
Government Grants		34,000
Departmental Sales		262,000
Other		855,000
	Sub-Total	$18,917,500
Research		500,000
Public Services		900,000
Auxiliary Services		9,200,000
Student Aid		100,000
		$29,617,500

EXPENDITURES

Instruction and General		$18,423,301
Research		541,400
Public Services		1,031,474
Auxiliary Services		8,294,380
Student Aid		420,000
	Total	$28,710,555

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 112

Ashtabula Branch
Kent State University

KENT STATE UNIVERSITY
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Business Administration Classroom Building		$ 3,000,000
Art Classroom Building		3,000,000
Health Education Gymnasium		2,000,000
General Classroom Buildings		9,000,000
Aerospace Laboratory		500,000
Addition to Music and Speech Building		2,000,000
Auditorium		3,000,000
Addition to Language Building		1,500,000
Science Building		4,750,000
Renovation of Existing Plant		3,250,000
	Total	$32,000,000

PROJECT DESCRIPTIONS

Business Administration Classroom Building

One of the major needs at Kent in the near future is general classroom space. The College of Business Administration is one of the largest colleges in the University. It has developed various business research institutes, and plans are underway to increase graduate offerings. Present quarters seriously limit the business administration programs. The new building will provide facilities for lecture halls, graduate study and research, as well as general classrooms and faculty offices.

Recommended State Appropriation $ 3,000,000

Art Classroom Building

Art is presently taught in seven buildings scattered all over the campus, and only one building - Van Deusen Hall - is satisfactory for this purpose. This new building will house all facilities for painting studios, sculpture studios, ceramics, general classrooms and offices. The Art Department is one of the most rapidly growing fields of study at Kent.

Recommended State Appropriation $ 3,000,000

PROJECT DESCRIPTIONS, continued

Health Education Gymnasium

Undergraduate students are generally required to enroll for a total of six hours of Physical Education courses. With the enrollment increasing rapidly, present facilities are taxed to the limit. The proposed facility will generally serve as an instructional area for women students and for those physical education programs which are coeducational such as hygiene, community recreation and health education classes.

Recommended State Appropriation $ 2,000,000

General Classroom Buildings

The University has been so short of instructional areas that they have converted store rooms, recreation rooms and similar areas for instructional purposes. World War II temporary army barracks are still in use and are filled to capacity. Maintenance costs on such unsuitable space is very high. These funds will provide three general classroom buildings, costing $2,000,000, $3,000,000 and $4,000,000. They will be used for instruction in the areas of mathematics, social science, humanities and English. The buildings will be located so that they may best serve students in various specialized fields on campus.

Recommended State Appropriation $ 9,000,000

Aerospace Laboratory

Development of the aerospace technology program has been hampered because of crowding into one laboratory and two small classrooms in Van Deusen Hall. The University is unable to accommodate all the students (particularly upper division students) who are interested in this field. Increasing demands of students and of research make an increase in space a necessity. These funds will provide for a relatively small laboratory building in this complex field.

Recommended State Appropriation $ 500,000

Addition to Music and Speech Building

One of the finest structures on the Kent State campus is the Music and Speech Building, which was completed in 1960. It is, however, already too small for current enrollments. Enrollments in these two departments increased by 50% from the Autumn of 1965

PROJECT DESCRIPTIONS, continued

Addition to Music and Speech Building (continued)

to the Autumn of 1966. A part of this increase has resulted from the doctoral program in speech, which has promoted interest at all student levels. Kent, which provides particularly excellent teacher education programs in these fields, will have to limit enrollments in the future if expanded facilities are not provided.

Recommended State Appropriation $ 2,000,000

Auditorium

The University has no building which contains a large auditorium suitable for musical and dramatic productions for large audiences. As the institution develops in size and complexity, with a variety of graduate programs, the need for an adequate structure of this type is more and more apparent.

Recommended State Appropriation $ 3,000,000

Addition to Language Building

As the makeup of the University's student body changes, with more emphasis on upper division and graduate programs, the need for more space for languages will increase. New techniques in the study of languages requires extensive use of specialized equipment which in turn requires special language laboratories in large numbers.

Recommended State Appropriation $ 1,500,000

Science Building

The sciences of geology and geography are now housed in cramped, ill suited facilities. Geology, for instance is being taught in a converted kitchen, dining room and storeroom area in the basement of a girl's dormitory. Geography is embarked upon a doctoral program which will require considerably more space. These sciences will be located in the newly developed science area, where buildings for chemistry, biology and physics are now under construction.

Recommended State Appropriation $ 4,750,000

PROJECT DESCRIPTIONS, continued

Renovation of Existing Plant

The current building program, from the 1963 and 1965 bond issues, will result in massive transfers of academic programs into new buildings. This will permit extensive renovation of space in structurally sound but badly outdated buildings. For instance, McGilvrey Hall, constructed in 1940, needs replacement of incandescent lights, new plumbing fixtures which are badly corroded by chemical fumes, and an up to date heating system with adequate temperature controls. McGilvrey will then house the Psychology Department. Similar work will be done in Kent and Merrill Halls which will provide more administrative service space for the University; the present Health Center for research in Psychology; Franklin Hall for Sociology and Anthropology; and the present Library for administrative space for the registrar, comptroller and treasurer.

Recommended State Appropriation $ 3,250,000

MIAMI UNIVERSITY
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	5,900
Academic Centers	100
Branches	1,600
Upper Division	5,400
Professional/Baccalaureate	750
Masters Level	650
Graduate/Professional	
Doctoral Level	90
Medical Programs	
Total	14,490

CAPITAL PLANT

Main Campus Acreage	357
Net Square Feet of Space:	
Instruction and Support	802,617
Libraries	103,479
Research	2,047
Student Services	15,942
Administration	26,309
Total	950,394

STAFFING
1966-67

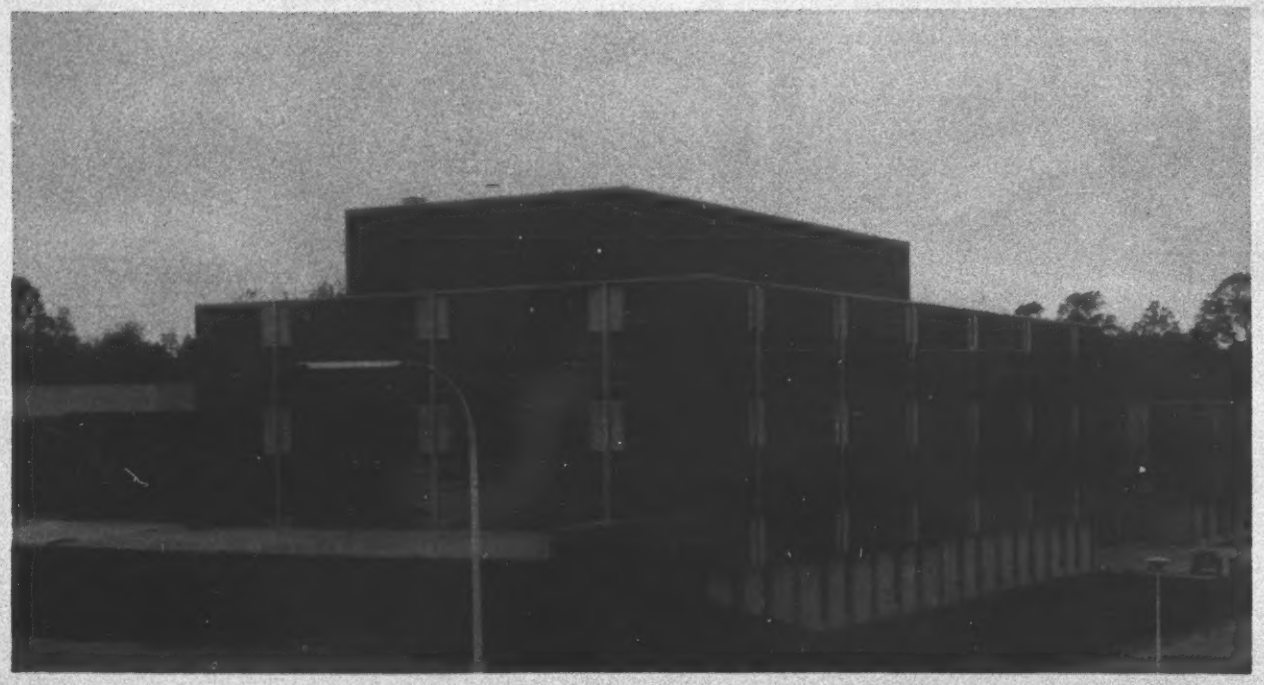
	Regular	Part-Time
Administrative	80	10
Instructional	544	334
Libraries	36	16
Student Services	119	42
Plant Operation	180	4
Auxiliary Services	532	15
Other	6	5
Total	1,497	426

MIAMI UNIVERSITY
STATISTICAL PROFILE, continued

OPERATING FINANCES
1966-67

INCOME:		
Current General Income		
State Appropriation		$ 6,440,545
Student Fees		5,674,720
Endowment		9,100
Gifts and Grants		35,900
Government Grants		81,600
Departmental Sales		6,600
Other		272,950
	Sub-Total	$12,521,415
Research		130,725
Public Services		203,000
Auxiliary Services		8,323,310
Student Aid		96,000
	Total	$21,274,450
EXPENDITURES:		
Instruction and General		$12,034,227
Research		175,955
Public Services		235,386
Auxiliary Services		7,193,240
Student Aid		506,000
	Total	$20,144,808

RECENT NEW CONSTRUCTION
See Progress Report of recent construction projects on Page 113



Phase I - Middletown Branch
Miami University

MIAMI UNIVERSITY
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Library, Phase II	$ 2,535,000
Humanities Building	3,000,000
Dramatic Arts-Music Building Addition	600,000
Service and Maintenance Building Addition	315,000
Elementary School Addition	250,000
Warfield Hall Addition	685,000
McGuffey Hall Renovation, Phase II	975,000
Other Building Renovations	2,090,000
Heating and Cooling Plants	990,000
Tunnels, Steam Lines and Electric Feeders	700,000
Airport	100,000
Physical Education Facilities	260,000
Land Purchases	500,000
Total	$13,000,000

PROJECT DESCRIPTIONS

Library, Phase II

Phase I of the Undergraduate Library was constructed from funds provided in S.B. 370 in 1963. This first phase construction has relieved to an extent the pressures for more library space. The need for further expansion of the Undergraduate Library through Phase II construction makes this the number one priority on the Miami campus. The old Library building has become the graduate library with student stations for 500 students. Phase I and Phase II of the Undergraduate Library each provide 1100 student stations, so that when Phase II is completed, the University will have 2700 library student stations. This is the minimum student stations which the University should have for present enrollment, and makes no provision for enrollment expansion.

Recommended State Appropriation $ 2,535,000

Humanities Building

This building will provide administrative space for the College of Arts and Sciences, and classroom and faculty office space for the Departments of English, Classics, Philosophy and Religion. The expansion of biological sciences will eventually require

PROJECT DESCRIPTIONS, continued

Humanities Building (continued)

Upham Hall to be converted to a biological sciences building. Upham Hall now houses several of the humanities departments, and these departments will then have to be placed in new quarters. In addition, there is an acute shortage of faculty office space on campus. This building will include some 100 faculty offices, which will help greatly to relieve this shortage, and will permit the assignment of offices in contiguous blocks, thereby eliminating the separation of departments in widely scattered areas of the campus.

Recommended State Appropriation $ 3,000,000

Dramatic Arts-Music Building Addition

The Dramatic Arts-Music Building appropriation in 1965 was insufficient, under today's rising market, to permit construction of two wings which are desirable for a complete operation. One wing will contain a band rehearsal room, the other will include a recital hall and an organ studio. With the addition of these two wings, the entire function of dramatic arts and music can be concentrated in this one project.

Recommended State Appropriation $ 600,000

Service and Maintenance Building Addition

The existing Service Building was designed to handle a maximum enrollment of 9,000 students. This additional space will provide more automotive repair shops, carpenter shops, general repair shops and increased storage facilities to meet the demands of a student body which will reach 14,000 in a few years.

Recommended State Appropriation $ 315,000

Elementary School Addition

This addition to the new Laboratory School will provide a gymnasium for the elementary school students, as well as locker rooms and play areas. These areas are essential to a complete laboratory school for the training of future elementary school teachers.

Recommended State Appropriation $ 250,000

PROJECT DESCRIPTIONS, continued

Warfield Hall Addition

Warfield Hall, the present student services building is inadequate to permit the location of the registrar's office, the admissions office and the residence hall's office in Warfield. These offices are now located in the main administration building, where that space is now needed for other administrative office expansion. Two wings will be added to Warfield Hall, which will not only house these functions, but will also relieve overcrowding of existing offices in Warfield Hall.

Recommended State Appropriation $ 685,000

McGuffey Hall Renovation - Phase II

A new Laboratory School, now under construction, will permit completion of the renovation of McGuffey Hall. McGuffey Hall was constructed in 1909, and is structurally sound. It is one of the largest instructional buildings on campus, housing the School of Education. Phase I of a renovation program, totaling $625,000, was completed in 1966. Phase II will complete the renovation, including the area now occupied by the elementary laboratory school. This major process includes new heating, electrical distribution, plumbing adjustments in partitions, and new floors and ceilings.

Recommended State Appropriation $ 975,000

Other Building Renovations

Six buildings are included in this total project. Rowan Hall, constructed in 1947, will have a second floor added to provide classrooms and office space for the Navy R.O.T.C. program. The first floor will have minor renovations. The north wing of Upham Hall was constructed in 1947. It is used by the Department of Microbiology and the Department of Zoology and Physiology. There is a need for office-research rooms, improved electrical supply, air conditioned research areas and modern laboratories. Hughes Hall, constructed in 1918, will be vacated by the Chemistry Department upon completion of the new Chemistry Building. Major renovations to permit use as general classrooms and faculty offices is essential. Robertson Laboratory, built in 1916, houses the Pulp and Paper Technology program. It is hoped that a new building can be constructed for this program from research funds. This will permit renovation of Robertson Laboratory for research projects which require isolation from general campus laboratories. Gaskill Hall, upon completion of the Pulp and

PROJECT DESCRIPTIONS, continued

Other Building Renovations (continued)

Paper Technology Building, will have more extensive use by the Industrial Education Department. In addition to remodeling, much of the machinery used in Industrial Education needs to be replaced, since recent developments in technology have made existing equipment obsolete. Irvin Hall was constructed in 1918. It needs complete modernization for most effective use as a general classroom building. The work will include replacement of floors and ceilings, replastering, up-dating of the electrical system, and general refurbishing.

Recommended State Appropriation $ 2,090,000

Heating and Cooling Plants

The present heating plant has a steam capacity of 175,000 lbs. per hour. New buildings, now under construction and requested here, require the replacement of two 30,000 lb. per hour boilers (installed in 1938) with two 65,000 lb. per hour boilers. In addition, a central cooling plant will be constructed in the south campus to provide air conditioning for academic buildings in that area. This will permit an expansion of year around operation of buildings.

Recommended State Appropriation $ 990,000

Tunnels, Steam Lines and Electric Feeders

Utility tunnels must be extended to the buildings proposed here. In addition electric feeders which are no longer adequate need to be replaced, as well as steam lines to the south and west portions of the campus.

Recommended State Appropriation $ 700,000

Airport

The present 3,200 foot runway is inadequate for larger two-engine aircraft. These funds will permit extension of the runway to 4,200 feet. This program represents a minimum effort to provide adequate facilities for the instructional programs in aeronautics and flight training.

Recommended State Appropriation $ 100,000

PROJECT DESCRIPTIONS, continued

Physical Education Facilities

Construction on the site of present physical education facilities requires new facilities in other location. Specifically, it will be necessary to move north and east of Withrow Court to construct tennis courts, playing fields and other physical education facilities.

Recommended State Appropriation $ 260,000

Land Purchases

There are properties with an estimated value of $975,000 located within the campus proper and on the periphery which should be purchased to make most effective use of present holdings. If funds are not available when the properties are offered, the properties will be purchased by other parties, which will result in higher costs at a later date. It is anticipated that $500,000 will cover that part of the total which will become available in the near future.

Recommended State Appropriation $ 500,000

THE OHIO STATE UNIVERSITY
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	20,400
Academic Centers	
Branches	3,000
Upper Division	7,800
Professional/Baccalaureate	5,700
Masters Level	3,300
Graduate/Professional	1,400
Doctoral Level	2,100
Medical Programs	1,100
Total	44,800

CAPITAL PLANT

Main Campus Acreage	1,704
Net Square Feet of Space:	
Instruction and Support	3,107,677
Libraries	428,177
Research	648,628
Student Services	430,420
Administration	331,020
Total	4,945,922

STAFFING
1966-67

	Regular	Part-Time
Administrative	389	54
Instructional	3,067	3,524
Libraries	217	181
Student Services	260	158
Plant Operation	843	1,009
Auxiliary Services	458	814
Other	2,705*	2,025*
Total	7,939	7,765

*includes 2,234 regular and 988 part-time medical center employees

OHIO STATE UNIVERSITY
STATISTICAL PROFILE, continued

OPERATING FINANCES
1966-67

INCOME:

Current General Income		
State Appropriation		$36,537,500
Student Fees		20,532,191
Endowment		548,200
Gifts and Grants		264,500
Government Grants		850,000
Departmental Sales		5,369,856
Other		2,713,360
	Sub-Total	66,815,607
Research		18,590,500
Public Services		24,256,804
Auxiliary Services		18,756,361
Student Aid		3,377,400
	Total	$131,796,672

EXPENDITURES:

Instruction and General		$ 66,750,550
Research		20,153,500
Public Services		25,112,550
Auxiliary Services		15,287,605
Student Aid		5,003,400
	Total	$132,307,605

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 115

Engineering Classroom and Laboratory Building
Ohio State University

THE OHIO STATE UNIVERSITY
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Replacement of University Hall	$ 5,072,000
Central Boilers and Utility Extensions - Phase I	3,000,000
College of Education, Phase I	4,557,000
Completion of Veterinary Hospital and Clinic	1,628,000
School of Journalism Facility	2,789,000
College of Law Building	2,548,000
Renovation of the Ohio State Museum	1,145,000
College of Dentistry Building	2,100,000
School of Social Work Building	1,801,000
Physical Education Facility	3,672,000
Continuing Education Facility	1,573,000
Completion of Clinical Medical Sciences Education Facility	6,798,000
Botany Greenhouse and Laboratories	2,294,000
Renovation of Vivian Hall	178,000
Animal Science Livestock Center	3,772,000
Renovation of Three Buildings for Engineering and Physical Sciences	2,609,000
Air Conditioning Main Library	565,000
Central Boiler and Utility Extension (remainder)	745,000
College Road Extension	3,154,000
Total	$50,000,000

PROJECT DESCRIPTIONS

Replacement of University Hall

University Hall, the oldest building on the campus, has been for several years in such poor condition that its floor space could not be efficiently utilized. Presently, there are hazards connected with any use of the building. The location is, however, such that it is appropriate for a structure fulfilling important and representative functions of the University and symbolizing, at the same time, the past and the spirit of the institution.

It is intended to construct a building on the site of University Hall which will serve a threefold purpose. It will house the Departments of History, Political Science and Philosophy which are the traditional core of higher education. It will also house the Department of Linguistics, a modern department which reaches out towards many branches of present day knowledge. About one-half of the space of the new building will be taken up by departmental offices, faculty offices, seminar rooms, book collections and laboratories of these departments. About one-third of the building will serve administrative purposes,

PROJECT DESCRIPTIONS, continued

Replacement of University Hall (continued)

especially those which attract a considerable number of students and visitors. The offices of the Graduate School, the officers of a School of Public Administration, the business and editorial offices of the University Press will be housed there. It also will contain the University Archives and an area for showing photographs and other displays concerning the University's history and its plans for the future. The remaining space in the building will be used for classrooms and lecture halls which will be part of the classroom and lecture hall space needed by the departments which will be housed in the building.

Recommended State Appropriation $ 5,072,000

Central Boilers and Utility Extensions - Phase I

The heating and cooling facilities of the central power plant are in need of improvement. The electric power capacity of connections between the University utility lines and those of the Columbus and Southern Ohio Electric Company will have to be increased. This is required in order to serve the new buildings to be erected on the campus. The work will involve, in addition to the electric utility extensions, the conversion of four boilers to gas and oil, and the purchase of a new 150,000 #/hr boiler.

Recommended State Appropriation $ 3,[illegible]00,000

College of Education, Phase I

Professional Education represents one of the most important and fastest growing academic endeavors, in the nation as well as in Ohio. At Ohio State University, enrollments have increased 79 per cent during the last five years, undergraduate degrees have increased 160 per cent and graduate registrations have increased 50 per cent. The production of PhD's in education has increased in that time period 100 per cent and further, quite considerable increases, especially in the upper division undergraduate level and the graduate level are foreseen and planned by the University. These increases are needed in Ohio which, according to a recent report, is short 2,000 teachers in the current year. These present and expected enrollment needs cannot be adequately served in the present facilities. The new building to be located north of and contiguous to Arps Hall will meet these urgent needs. It will provide 38 classrooms, 69 rooms for library, and study facilities, faculty offices and supporting areas. The assignable area of the new building is planned at about 73,000 square feet.

Recommended State Appropriation $ 4,557,000

PROJECT DESCRIPTIONS, continued

Completion of Veterinary Hospital and Clinic

This project should be evaluated in conjunction with the Veterinary Clinic and Animal Hospital for which $3,952,000 have been appropriated in S.B. 370 and H.B. 202 and which is presently in the planning stage. The old Veterinary Clinic and Hospital on Neil Avenue have been demolished and it is presently housed in temporary quarters in a building on Kenney Road. This building was constructed as a motor pool garage and it is as such quite inadequate for its present temporary use. It is, in addition, urgently needed for the purpose for which it was constructed.

Recommended State Appropriation $ 1,628,000

School of Journalism Facility

The present facilities used by the School of Journalism are outdated and quite inadequate. The requirements of a school of journalism consist particularly in laboratory units fit for instruction of small student groups. The present facilities have hardly any such facilities. The journalism school aims within the next few years at an enrollment of 200 carefully selected graduate students, at least 500 undergraduate majors and about 2000 other students who are either taking special service courses or are interested in specific subjects taught at the school.

The plans call for preservation of the present building and for its remodeling. They also call for a vertical expansion of the building. This seems to be the most economic method for creating the facilities needed in this field in which presently the University cannot for lack of adequate space live up to its potentials.

Recommended State Appropriation $ 2,789,000

College of Law Building

The present Law Building provides a capacity for 585 students. It is estimated on the basis of current enrollment applications that the enrollment would be 1240 in 1975-76 if the physical facilities were available. Due to the lack of facilities, the Board of Trustees had, as a stop-gap measure, to set a limit

PROJECT DESCRIPTIONS, continued

College of Law Building (continued)

of 200 on the class to enter the College each year, which is considerably lower than enrollment applications. It is planned to renovate part of the present College of Law building and to build an addition to it. These steps would make it possible to accommodate 1200 students which would come close to the number of enrollments expected by 1975-1976. Additional funds might be provided under Title II of the Higher Education Facilities Act.

Recommended State Appropriation $ 2,548,000

Renovation of the Ohio State Museum

The University plans to remodel the present Ohio State Museum building into a library serving primarily undergraduate student needs. In addition to the state appropriation requested, funds have been accumulated amounting to $1,580,000 from various federal grants under the Higher Education Facilities Act which are planned to be used for this project. The undergraduate library would also be eligible for a 33 1/3 per cent grant under Title I of the Higher Education Facilities Act.

The project would create about 2,000 additional study spaces served by an open-stack collection chosen primarily for undergraduate use. It would also release space in the Main Library to accommodate the growing graduate needs and would alleviate considerably the present discrepancy between study spaces and enrollment.

Recommended State Appropriation $ 1,145,000

College of Dentistry Building

The need for dental manpower in Ohio is quite considerable. On the basis of consultants' reports it has been determined that 200 students should enter Ohio State University's College of Dentistry each year in order to serve Ohio's growing population. The present facilities were planned, however, for an entering class of 90. In order to fulfill the needs of students as well as the public demand for dentists, 155 students have been admitted in the entering class in facilities designed for 90.

The University plans an addition to the south side of the present Dentistry building and the conversion of some of the existing space to new use.

The funds are to be provided by State appropriations and by a matching 50 per cent Federal grant.

Recommended State Appropriation $ 2,100,000

PROJECT DESCRIPTIONS, continued

School of Social Work Building

The Ohio State University plans the construction of a new building attached to the existing Stillman Hall in order to house the expanded program and the increasing enrollment of the School of Social Work at the upper division and graduate level. Ohio has somewhat more than 2,000 social workers and over 4,000 more are presently needed. These needs have been expressed by agencies such as the Juvenile Judges Association of Ohio, the Ohio Youth Commission, the Department of Public Welfare and the Department of Mental Hygiene and Correction. The need is particularly great in the field of graduate social work education. Present facilities are inadequate to meet even present demands. Facilities outside of Stillman Hall are being used and the overall operation has become overcrowded and inefficient. This holds true particularly in view of the fact that the University intends to stress graduate instruction and has redesigned its doctoral program which has been small in previous years.

Recommended State Appropriation $ 1,801,000

Physical Education Facility

Due to increased enrollments, the indoor facilities for physical education and recreation have declined to about one-third of the 1945 level. No adequate space is available, be it for formal classes in physical education or for informal recreational use. Ohio State is now near the bottom among Big Ten schools in this respect.

The university plans to construct a building west of Campbell Hall which, in an assignable area of close to 86,000 square feet will provide the needed facilities.

Recommended State Appropriation $ 3,672,000

Continuing Education Facility

Continuing education for qualified adults has become an absolute necessity in our generation, in which the continuous change in ideas and technologies precludes consideration of education as completed at any age or educational level. Such education is not only intellectually but economically important, and benefits the community as well as the individual. Ohio State has authorized the construction of a "Center for Tomorrow" serving these aims out of unappropriated funds. It will, however, need additional funds especially in the areas of television production, audiovisual support for instruction, and continuing education conference facilities.

PROJECT DESCRIPTIONS, continued

Continuing Education Facility (continued)

The University plans to hold conferences. University level seminars and short courses which are planned on a state level as well as on a national level. An optimum arrangement of flexible conference facilities is needed as well as the use of audiovisual support services. Research results and research findings should be disseminated to business and industry in order to gain the greatest possible impact of the planned activities upon the economy of the state.

Recommended State Appropriation $ 1,573,000

Completion of Clinical Medical Sciences Education Facility

The clinical facilities available at the University are insufficient for the number of students to be enrolled by 1970 in the College of Medicine, the School of Nursing and the School of Allied Medical Services. This holds true even though the College of Medicine has agreements with seven Columbus Hospitals for limited use of their clinical facilities by students and faculty.

The university plans to construct additional in-patient facilities and new out-patient facilities and additional offices and laboratories for clinical departments in a building to be located south of University Hospital, between West 10th and West 9th Avenue. This facility is planned to have assignable space of more than 300,000 square feet. Present and future mechanization will be incorporated in the construction plans, whenever possible, so that the operation of the clinic can be conducted economically.

The project is to be financed partly from State funds, and partly from Federal funds. Part of the State funds, namely $4,082,000 will come from funds which have been appropriated to the University in the 1965-1967 biennium and which are included in the present biennium's reappropriations. Another part, amounting to $6.798,000 is requested in the present capital plan and the combined total of these figures is expected to be matched by Federal funds in the total of $10,880,000.

Recommended State Appropriation $ 6,798,000

PROJECT DESCRIPTIONS, continued

Botany Greenhouse and Laboratories

Most of the greenhouse space presently available was constructed in 1948, with some dating back to 1915. These are ground level buildings. In the meantime tall buildings, such as the dentistry building and the University Hospital have been constructed which shade the greenhouse from the sun and thus counteract one of its essential functions. This holds particularly true during the winter months when the research demand is at a maximum. It has also developed that present herbarium facilities are structurally unsound and that the principal herbarium room was cracking under the weight of the herbarium cases. The present facilities are also lacking in space for environmentally controlled laboratories and there exists the need for a supply area which would make it unnecessary to send out for all supplies needed for the laboratories in the building.

The recommended solution is the construction of a building immediately west of the Botany and Zoology Building and on the site of existing facilities. This building would provide space for laboratories and supporting facilities for the Botany and Zoology department and would provide greenhouse space not on the ground floor level but on top of the two story building where the sunlight will not be affected by the surrounding tall structures.

Recommended State Appropriation $ 2,294,000

Renovation of Vivian Hall

Vivian Hall is presently used by the Department of Dairy Technology in the College of Agriculture and also by the Department of Biochemistry in the College of Biological Sciences. The Department of Biochemistry will be moved to new facilities for the College of Biological Sciences. The space made available will, after suitable repairs, be utilized by the Departments of Dairy Technology and Animal Science. These repairs will consist of constructing rooms with controlled temperature and humidity, needed for research on dairy programs, construction of a teaching-research laboratory for the food process engineering program, and construction of teaching facilities for courses in the areas of nutrition and the utilization of meat products.

Recommended State Appropriation $ 178,000

PROJECT DESCRIPTIONS, continued

Animal Science Livestock Center

Livestock Barns are essential for the teaching of the animal sciences. These barns are presently located on the University's main campus. They are antiquated and unfit for the contemporary instructional needs which serve Ohio's important livestock industry. The present location of these barns creates also an undesirable fly and odor problem on the main campus. The space presently occupied by the barns is furthermore needed for other buildings. The location of barns and pastures on valuable main campus land is economically unsound.

The plan provides moving the barns and pastures to farm land east and west of Don Scott Field. It is planned to acquire 330.5 acres of this land. The buildings will be at the west end of the field and will consist of beef barns, dairy barns, a sheep barn, several barns for swine research, and a farm headquarters building. The recommended arrangement will also provide needed protection of airport approaches at Don Scott Field.

Recommended State Appropriation $ 3,772,000

Renovation of Three Buildings for Engineering and Physical Sciences

There are three buildings for Engineering and Physical Sciences whose usefulness can be greatly enhanced by certain renovations. They are the Microbiology and Pharmacy Building for Mathematics, Brown Hall for Architecture and the Engineering Experiment Station for Photography.

The Mathematics Building is an attachment to the Pharmacy and Microbiology Building, with the building interconnected on each floor. The completion of the new Pharmacy Building and the planned construction of a new Biological Science Building will free the floor space now occupied by Pharmacy and Microbiology. This space is urgently needed by the Department of Mathematics.

Completion of the Engineering Classroom Building is freeing space in Brown Hall which could be renovated for the needs of the School of Architecture located in the same building. The completion of the Engineering Classroom Building makes floor space available in the Engineering Experiment Station. This space could, after proper renovation, serve well the Department of Photography.

Recommended State Appropriation $ 2,609,000

PROJECT DESCRIPTIONS, continued

Air Conditioning Main Library

The fact that the Main Library lacks air conditioning hampers considerably its usefulness during the summer months. In view of the present endeavor of year around use of the campus, it is necessary to equalize for students and faculty working and study condition throughout the calendar year. The air conditioning of the Main Library is an essential step in that direction.

Recommended State Appropriation $ 565,000.

Central Boiler and Utility Extension (remainder)

The necessary boiler repairs and replacement have been planned in two stages. While most of the urgent extension and boiler replacement work is planned for the first biennium, the replacement of another 150,000 #/hr. boiler will become necessary during the third biennium.

Recommended State Appropriation $ 745,000

College Road Extension

The medical center facilities of the University are in the process of being greatly expanded. Other new buildings on the campus are being completed and planned and extensive dormitory construction has been performed north and south of the campus. Provision must be made for traffic to move from the northeastern and eastern parts of the campus with as little penetration of the academic area as possible. The planned college road extension will serve this purpose.

Recommended State Appropriation $ 3,154,000

OHIO UNIVERSITY
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	8,000
Academic Centers	250
Branches	3,350
Upper Division	5,800
Professional/Baccalaureate	2,500
Masters Level	1,100
Graduate/Professional	
Doctoral Level	450
Medical Programs	
Total	21,450

CAPITAL PLANT

Main Campus Acreage	494
Net Square Feet of Space:	
Instruction and Support	911,008
Libraries	149,946
Research	68,060
Student Services	10,343
Administration	46,023
Total	1,185,380

STAFFING
1966-67

	Regular	Part-Time
Administrative	160	30
Instructional	937	586
Libraries	94	140
Student Services	185	112
Plant Operation	237	
Auxiliary Services	927	27
Other		
Total	2,540	895

OHIO UNIVERSITY
STATISTICAL PROFILE, continued

OPERATING FINANCES
1966-67

INCOME:

Current General Income		
State Appropriation		$ 8,690,000
Student Fees		7,878,410
Endowment		12,500
Gifts and Grants		150,000
Government Grants		578,113
Departmental Sales		100,000
Other		190,000
	Sub-Total	$17,599,023
Research		508,728
Public Services		3,231,735
Auxiliary Services		9,594,688
Student Aid		371,884
	Total	$31,306,058

EXPENDITURES:

Instruction and General		$18,765,059
Research		558,728
Public Services		3,436,005
Auxiliary Services		7,267,688
Student Aid		968,757
	Total	$30,996,237

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 117

Physical Science Complex
Phase I - Core Building
Ohio University

OHIO UNIVERSITY
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Botany and Zoology Building	$ 4,550,000
Library Addition	2,350,000
Business Administration Classroom Addition	650,000
Physics Building	4,850,000
Chemistry Building	4,850,000
Laboratory School Building	2,500,000
Architecture and Design Building	1,850,000
Mechanical Engineering Building	1,850,000
Renovation of Chubb Library	1,250,000
Renovation of Morton and Super Halls	1,200,000
Utility Extensions and Land Purchases	1,100,000
Total	$27,000,000

PROJECT DESCRIPTIONS

Botany and Zoology Building

In the next four years, graduate enrollments are expected to triple, and the proportion of on-campus upper division students will also increase. The fields of botany, zoology, physiology and bacteriology are to be housed in this building. Major weaknesses in these fields are brought about through insufficient space for current needs in classrooms, laboratories, research space, graduate space, library facilities, and facilities for housing and experimenting with live animals. This building will adequately solve most of these problems.

Recommended State Appropriation $ 4,550,000

Library Addition

Library plans called for a considerably larger building than the one now under construction with available funds. This second phase will complete the building, providing an additional 40,000 net square feet of space for stacks, study areas, faculty offices and work areas. The emphasis on graduate and upper division undergraduate enrollment requires considerably more library space per student than does a student body with a high proportion of lower division undergraduate students.

Recommended State Appropriation $ 2,350,000

PROJECT DESCRIPTIONS, continued

Business Administration Classroom Addition

The existing building houses the College of Business Administration and the School of Journalism. Business Administration's growth matches that of the University as a whole, but the School of Journalism is growing at a much more rapid pace. These increases require more general classrooms and faculty offices, which this addition will provide.

Recommended State Appropriation $ 650,000

Physics Building

This will be a further phase of the Science Complex now under construction. With the added emphasis on graduate education in the sciences at Ohio University, the Physics Department needs additional facilities to maintain the excellence of its teaching. This building will include classrooms, teaching laboratories, faculty offices and support areas.

Recommended State Appropriation $ 4,850,000

Chemistry Building

This is another science building which will become a part of the extensive Science Complex. Present Chemistry laboratories are so crowded that there are dangers from possible spillage and explosions. Faculty offices do not provide needed privacy for conferences, preparing tests, and grading papers. Many of the classes have had to be moved to other buildings because of lack of space in existing buildings. This new building will provide classrooms, teaching laboratories, research laboratories, faculty offices, and support areas for the Department of Chemistry.

Recommended State Appropriation $ 4,850,000

Laboratory School Building

The present elementary laboratory school was built in 1925. Since that time the concepts of a laboratory school suitable for research and teacher training have changed greatly. The proposed new structure will be twice as large as the present building. It will provide greatly expanded opportunities for participation and observation through the medium of educational

PROJECT DESCRIPTIONS, continued

Laboratory School Building (continued)

television. It will also provide live laboratory experiences for areas of instruction outside the College of Education, and for greatly expanded laboratory observation and participation within the College of Education. The larger building will accommodate more children which in turn eases the burden which must otherwise be assumed by the city school system.

Recommended State Appropriation $ 2,500,000

Architecture and Design Building

This building, a wing of the existing Space Arts Building, will complement that design. It will be built to standards suggested by the accrediting board in their visit to the School of Architecture in 1965. At present, studios are overcrowded, storage space is inadequate as are faculty offices, and no provisions can be made for graduate areas. Studios will be constructed for City Planning, Urban Design, Landscape Architecture, Structural Studio, Planning Library, Wood Working Shop, Mock-Up Space, Photo Laboratory, Model Shop, Perception Laboratory, Structural Laboratories, Multi-Purpose Workroom and individual Graduate Studios.

Recommended State Appropriation $ 1,850,000

Mechanical Engineering Building

This program has for over a decade been housed in a converted storeroom-office building, which was never designed for its present use. No further expansion of the program can occur in present space. The new building will contain classrooms, teaching laboratories, specialized laboratories, faculty offices and research laboratories which will permit adequate growth of the Mechanical Engineering program.

Recommended State Appropriation $ 1,850,000

Renovation of Chubb Library

Upon completion of the new Library, the old building will be converted to a classroom and faculty office building. Chubb Library was built in 1931, and has been kept in good repair. The book stacks will be replaced with new floors to give usable office space. Interior partitions will have to be altered, removed and added. The ventilating and electrical systems

PROJECT DESCRIPTIONS, continued

Renovation of Chubb Library (continued)

will have to be up-dated. The general classrooms which this building will provide will ease overcrowded buildings in the vicinity, where necessity has dictated that classrooms be converted to laboratories and offices.

Recommended State Appropriation $ 1,250,000

Renovation of Morton and Super Halls

Construction of a Botany and Zoology Building will permit Morton Hall to be used for a further expansion of the College of Business Administration, specifically the School of Journalism within that College. The project will include air conditioning, new floor covering, acoustical ceilings, adjustments in partitions, an up to date ventilating system and general painting and refurbishing. Similarly, the construction of a new Physics Building will permit the conversion of Super Hall into a classroom and faculty office building for History and Government. The renovation will be similar to that in Morton Hall.

Recommended State Appropriation $ 1,200,000

Utility Extensions and Land Purchases

The anticipated completion of the acquisition of urban renewal land in an area bounded by Race, Van Vorhees, Mulberry and University Terrace Streets, together with anticipated immediate construction of new buildings in this area will require the extension of utility tunnels. The City of Athens is moving its high school to a location outside the city. The present athletic field, containing slightly less than four acres, will then become surplus and will be available for purchase by the University or private buyers. It is located adjacent to the University campus and would provide expansion space for the College of Fine Arts and the College of Education. The estimated cost of $325,000 is lower than its appraised value. It will be necessary to extend utilities tunnels into the area also.

Recommended State Appropriation $ 1,100,000

UNIVERSITY OF TOLEDO
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	7,000
Academic Centers	
Branches	
Upper Division	2,000
Professional/Baccalaureate	610
Masters Level	400
Graduate/Professional	320
Doctoral Level	60
Medical Programs	
Total	10,390

CAPITAL PLANT

Main Campus Acreage	198
Net Square Feet of Space:	
Instruction and Support	647,169
Libraries	79,713
Research	3,860
Student Services	10,165
Administration	29,898
Total	770,805

STAFFING
1966-67

	Regular	Part-Time
Administrative	69	
Instructional	545	179
Libraries	10	
Student Services	11	
Plant Operation	132	24
Auxiliary Services	5	
Other	5	
Total	777	203

UNIVERSITY OF TOLEDO
STATISTICAL PROFILE, continued

OPERATING FINANCES
1966-67

INCOME:		
Current General Income		
State and Local Appropriation		$ 3,240,000
Student Fees		6,162,000
Endowment		
Gifts and Grants		
Government Grants		107,000
Departmental Sales		
Other		185,000
	Sub-Total	$ 9,694,000
Research		
Public Services		100,000
Auxiliary Services		1,870,000
Student Aid		
	Total	$11,664,000
EXPENDITURES:		
Instruction and General		$ 9,555,510
Research		
Public Services		125,590
Auxiliary Services		1,766,390
Student Aid		265,000
	Total	$11,712,490

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 118

Phase I - Community and Technical College
University of Toledo

UNIVERSITY OF TOLEDO
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Library, Phase I	$ 7,000,000
Law Center, Phase I	3,500,000
Community and Technical College - Classroom Building No. 2	1,800,000
Physics Building	4,000,000
Community and Technical College - Paramedical Center	4,200,000
Old Library Renovation	1,000,000
University Hall Renovation	1,150,000
Renovation and Land	1,350,000
Total	$24,000,000

PROJECT DESCRIPTIONS

Library, Phase I

The present Library building, constructed in 1953, also houses the College of Law. The building is in excellent condition, but it is entirely inadequate in terms of space. In addition, its location precludes the expansion that will be required if the institution grows to the extent envisioned by University officials. The new Library will be located in the direction of anticipated campus expansion. It will provide greatly expanded facilities for reading, study rooms and stack space. This need is particularly great on a campus such as that at Toledo, where a large part of the student body are commuters. Expansion of academic programs, particularly at the doctoral level will result in substantial growth of collections of all types.

Recommended State Appropriation $ 7,000,000

Law Center, Phase I

The College of Law is housed presently in 14,000 square feet of space on the third floor of the Library building. In 1963 the evening program was expanded to include a Day Division. The freshman daytime enrollment is now 141 students, with potential for considerable further growth,

PROJECT DESCRIPTIONS, continued

Law Center, Phase I (continued)

were adequate facilities available. The new Law Center will house a total of 800 students. It will provide complete facilities needed by the College of Law, including a library, classrooms, faculty offices, research areas, and a moot court.

Recommended State Appropriation $ 3,500,000

Community and Technical College - Classroom Building No. 2

The enrollment potential at the Community and Technical College is very great, especially after the College moves to the Scott Park Campus, now under construction. Phase I construction includes a single classroom building capable of handling a maximum of 1600 students at one time. This building will be filled by the time it is completed, and further facilities are essential. This new building will be able to house a total of 2400 students, which should meet the general classroom needs on the Scott Park Campus in the immediate future.

Recommended State Appropriation $ 1,800,000

Physics Building

It is proposed to construct a Physics-Geology Building in two phases. Phase I will contain the Physics portion of the project. Both phases are urgently needed to meet expanding undergraduate enrollments and to provide adequate facilities for the recently approved Ph.D. in Physics, and the master's degree in Geology. Physics is presently housed in the Engineering-Science Building, in which its growth is limited by the expanding needs of the College of Engineering. This construction will approximately double the space now available to Physics.

Recommended State Appropriation $ 4,000,000

Community and Technical College - Paramedical Center

There is a well-documented need in Ohio and the Toledo area for persons trained in the various technologies related to assisting the physicians in the total health care of the community. This Center is being planned with the active

PROJECT DESCRIPTIONS, continued

Community and Technical College - Paramedical Center (continued)
assistance of the President of the Toledo State College of Medicine. It will enable the University to offer associate degree curricula in Nursing, Dental Hygienist and Medical Laboratory Technician. Additional programs which are under consideration include Optical Technology, X-Ray Technology, Mental Health Assistant, Public Health Assistant, and Medical Records Librarian. The building will contain classrooms, laboratories and faculty offices.

Recommended State Appropriation $ 4,200,000

Old Library Renovation

With the construction of a new Library and a new Law Center, the old Library building will be available for other uses. It is a structurally sound building, built in 1953, and can be adapted to other uses. The building will be completely renovated for College of Business Administration classrooms, faculty offices and administrative office

Recommended State Appropriation $ 1,000,000

University Hall Renovation

The University has set aside $350,000 from current state appropriations for the Phase I renovation of University Hall. This building is the main building on campus. It was built in 1931, and is in good structural condition, but needs major renovations. The work must be done over a period of years, since the building is heavily used and cannot be taken out of service for an extended period of time. When Biology and Chemistry move to the new building, substantial work must be done to remodel the space for other purposes. Wiring throughout the building is inadequate and lighting must be improved. Many areas need to be updated to permit adequate use of visual aids. Doermann Theatre will be improved for use as a 750 seat lecture hall.

Recommended State Appropriation $ 1,150,000

Renovation and Land

The Development of additional academic and other facilities on two campuses will require further expenditures for roads,

PROJECT DESCRIPTIONS, continued

Renovation and Land (continued)

sidewalks, lighting, landscaping and utilities. In addition, building service and maintenance facilities must be improved and expanded to adequately take care of the enrollment and physical plant expansion. The 198 acre main campus will require expansion to take care of the projected enrollment and programs. As properties become available for purchase, funds must be available, or else the properties will be sold to others with a resultant higher eventual cost to the institution.

Recommended State Appropriation $1,350,000

WRIGHT STATE UNIVERSITY
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	2,600
Academic Centers	
Branches	
Upper Division	1,410
Professional/Baccalaureate	60
Masters Level	150
Graduate/Professional	
Doctoral Level	
Medical Programs	
Total	4,220

CAPITAL PLANT

Main Campus Acreage	618
Net Square Feet of Space:	
Instruction and Support	219,807
Libraries	42,586
Research	93
Student Services	5,770
Administration	19,218
Total	287,474

STAFFING
1966-67

	Regular	Part-Time
Administrative	23	3
Instructional	184	71
Libraries	18	3
Student Services	16	1
Plant Operation	54	
Auxiliary Services	4	
Other		
Total	299	78

WRIGHT STATE UNIVERSITY
STATISTICAL PROFILE, continued

OPERATING FINANCES
1966-67

INCOME:		
Current General Income		
State Appropriation		$ 1,620,100
Student Fees		1,561,480
Endowment		
Gifts and Grants		
Government Grants		
Departmental Sales		
Other		32,000
	Sub-Total	$ 3,213,580
Research		
Public Services		
Auxiliary Services		32,000
Student Aid		
	Total	$ 3,245,580
EXPENDITURES:		
Instruction and General		$ 3,549,658
Research		
Public Services		
Auxiliary Services		28,213
Student Aid		14,400
	Total	$ 3,592,271

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 118

Phase II - Science Building
Wright State University

WRIGHT STATE CAMPUS
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Library, Phase I	$ 4,000,000
Physical Education Facilities	2,000,000
Creative Arts Building and Auditorium	5,000,000
Purchase Interim Student Center for a Continuing Education Center	1,500,000
Classroom Building	2,000,000
Roads, Parking and Utilities	500,000
Total	$15,000,000

PROJECT DESCRIPTIONS

Library Phase I

The present library is housed in one of the classroom buildings. It is developing rapidly, both in material holdings and facility use. The collection of materials has almost tripled in the past year. The 60,000 volumes will be expanded significantly this year, and expected acquisitions will reach stack capacity in 1968. Seating and shelving space will be very congested before a new building can be completed. The new Library is planned as a two-phase building. The first phase will provide facilities for various types of learning resources, but on a limited scale, adequate to meet enrollment growth in the immediate future.

Recommended State Appropriation $ 4,000,000

Physical Education Facilities

The first four buildings on the Wright State Campus were classroom and laboratory buildings, containing on an interim basis such other necessary functions as a library, administrative offices and a cafeteria. It has not, however, been possible to provide any physical education facilities. Since physical education courses are generally a pre-requisite to graduation in other institutions, this is a serious inadequacy

PROJECT DESCRIPTIONS, continued

Physical Education Facilities (continued)

in the Wright State program. A physical education building is essential to a well rounded educational program.

Recommended State Appropriation $ 2,000,000

Creative Arts Building and Auditorium

Although the Dayton area is a strong center for the creative arts, the community provides little training at the university level in these fields. It is proposed to build a facility to house the Departments of Art, Art Education, Music and Speech (Drama). In conjunction with the classroom, teaching laboratory and faculty office space in the building there would be an auditorium suitable of dramatic and musical production, with an adequate stage and lighting facilities.

Recommended State Appropriation $ 5,000,000

Purchase Interim Student Center for a Continuing Education Center

A Student Center, sized to fit available non-state funds, is under construction. In addition to the building now under way, two small dormitory wings are planned to provide the beginnings of a resident campus. The total project will have a cost of some $2,000,000. This facility is viewed as an interim structure in terms of student needs, although it is a permanent building. It has been designed so that it can fit the needs of a continuing education program, as the scope of the institution expands in depth and complexity. It is proposed that State funds be used for the eventual purchase of the building, using room and board charges to participants in the continuing education program to pay off any remaining debt. The State funds would then serve as the seed money for a much larger Student Center which will be needed as the student population grows.

Recommended State Appropriation $ 1,500,000

Classroom Building

Increased enrollment will tax the classroom space within a few years. This building will provide needed general classrooms and faculty offices for an expanded student population.

Recommended State Appropriation $ 2,000,000

PROJECT DESCRIPTIONS, continued

Roads, Parking and Utilities

These funds will provide campus roads, walks, parking and miscellaneous utilities that are essential as the campus expands.

Recommended State Appropriation $ 500,000

YOUNGSTOWN STATE UNIVERSITY
STATISTICAL PROFILE

PLANNED ENROLLMENT
1967-68
FULL-TIME EQUIVALENT STUDENTS

Lower Division	
Campus	5,600
Academic Centers	
Branches	
Upper Division	2,900
Professional/Baccalaureate	1,250
Masters Level	
Graduate/Professional	
Doctoral Level	
Medical Programs	
Total	9,750

CAPITAL PLANT

Main Campus Acreage	23
Net Square Feet of Space:	
Instruction and Support	213,595
Libraries	33,796
Research	
Student Services	14,045
Administration	16,087
Total	277,523

STAFFING
1966-67

	Regular	Part-Time
Administrative	22	73
Instructional	272	480
Libraries	7	52
Student Services	19	65
Plant Operation	86	44
Auxiliary Services	5	68
Other	5	18
Total	416	800

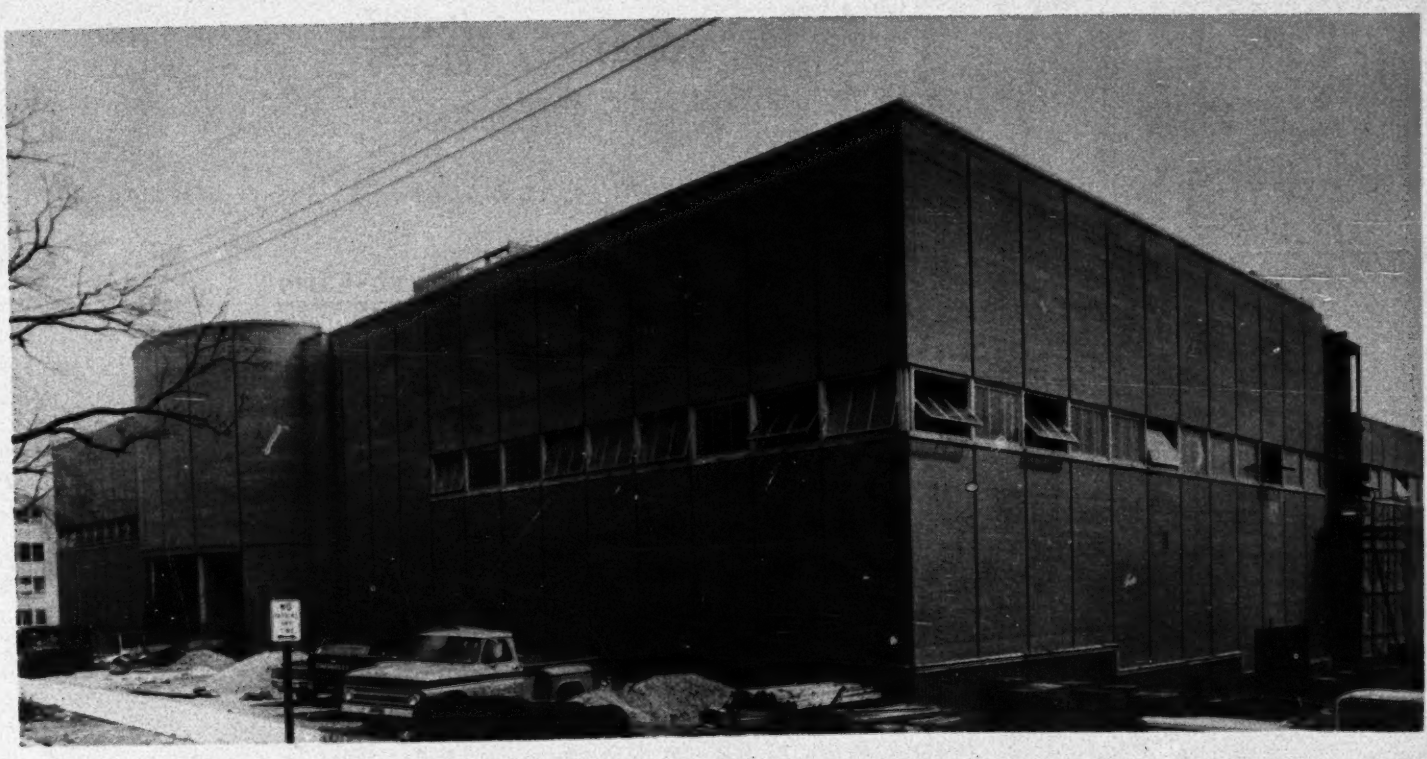
YOUNGSTOWN STATE UNIVERSITY
STATISTICAL PROFILE, continued

OPERATING FINANCES
1966-67

INCOME:		
Current General Income		
State Appropriation		$ 5,342,710
Student Fees		325,000
Endowment		285,000
Gifts and Grants		
Government Grants		
Departmental Sales		
Other		26,000
	Sub-Total	$ 5,978,710
Research		
Public Services		857,000
Auxiliary Services		75,000
Student Aid		
	Total	$ 6,910,710
EXPENDITURES:		
Instruction and General		$ 5,717,380
Research		
Public Services		789,900
Auxiliary Services		200,000
Student Aid		
	Total	$ 6,707,280

RECENT NEW CONSTRUCTION

See Progress Report of recent construction projects on Page 118



William Rayen School of Engineering
Youngstown State University

YOUNGSTOWN STATE UNIVERSITY
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Music, Fine Arts and Practical Arts Bldg.	$ 3,000,000
General Classroom and Faculty Office Bldg.	4,000,000
Technical Education and Community College Building	4,000,000
Library and Learning Center	4,000,000
General Classroom and Faculty Office Bldg.	3,000,000
Administration, Student Services and Classroom Building	3,000,000
Physical Plant Building	1,600,000
Land, Services and Renovation	1,400,000
Total	$ 24,000,000

PROJECT DESCRIPTIONS

Music, Fine Arts and Practical Arts Building

The University desperately needs all kinds of academic space. The programs of Music, Fine Arts and Practical Arts are located in old houses, a barn, a church hall and a number of obsolete areas on campus including a barracks and basements. This building will provide classrooms, teaching laboratories, specialized laboratories, studios and faculty and administrative offices. This space will be built over three parking decks in order to most effectively utilize limited land area.

Recommended State Appropriation $ 3,000,000

General Classroom and Faculty Office Building

This will be the first phase of a larger complex for general classrooms, arts and sciences and offices. The need for general classrooms and faculty offices at the University is very pressing. The number of square feet of space available per student is far lower than at the other public institutions. This building will contain three levels of parking as well as space for classrooms and faculty offices.

Recommended State Appropriation $ 4,000,000

PROJECT DESCRIPTIONS, continued

Technical Education and Community College Building

This building will meet the community's needs for a program of technical education. The highly industrialized Youngstown area now has no public higher education to supply industry, business and the health professions with adequately trained technicians This building will contain facilities for secretarial, technical, and mechanical skills. The building will also contain three parking decks.

Recommended State Appropriation $ 4,000,000

Library and Learning Center

This building will replace the present Library which is completely inadequate for a student body the size of that at Youngstown. The new building will be primarily an undergraduate library, and will contain stacks, reading areas, study rooms and specialized visual education facilities. The present Library will then be converted to classrooms or to classrooms and graduate research facilities.

Recommended State Appropriation $ 4,000,000

General Classroom and Faculty Office Building

This will be the second phase of the complex for general classrooms, arts and sciences and offices. In addition to general classrooms and faculty offices, the building will provide teaching laboratories, and study and research areas. Three parking decks will be built under the academic building.

Recommended State Appropriation $ 3,000,000

Administration, Student Services and Classroom Building

This building will provide administrative offices, space for student services, and classrooms for graduate programs. It will be the focal point for visitors and potential students.

Recommended State Appropriation $ 3,000,000

Physical Plant Building

This building will contain a warehouse area, a service and maintenance area and offices for the physical plant staff. It will

PROJECT DESCRIPTIONS, continued

Physical Plant Building (continued)
replace numerous inadequate areas now used for storage and maintenance. The building will also include one deck of parking. The cost will include land estimated at $45,000.

Recommended State Appropriation $ 1,600,000

Land, Services and Renovation
An urban renewal project is expected to make a considerable area available to the west and north of the present campus. Present land holdings of the University (44 acres) are most inadequate for the campus of an institution with the potential enrollment and programs here. Some land has already been acquired under Phase I of the urban renewal program. It is anticipated that Phases II and III will provide an additional 36 acres. These funds will also provide minor amounts for renovations which will be necessary as programs are moved to new buildings.

Recommended State Appropriation $ 1,400,000

TOLEDO STATE COLLEGE OF MEDICINE
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

Master Planning for the Toledo State College of Medicine is in process at this time. The institution expects that the campus site will be located on lands of the Toledo State Hospital. Through the use of temporary facilities to be leased from the county, it will be possible to have a small freshmen class enrolled in the autumn of 1969. Preliminary institutional estimates call for spending from future State funds in this pattern:

Library	$ 555,000
Departmental Offices and Research Laboratories	6,644,000
Health Center Administration	1,008,000
General Administration - Supporting Services	1,461,000
Animal Facilities	662,000
Utilities and Roads	2,843,000
Power Plant	3,575,000
Teaching Hospital	13,252,000
Total	$ 30,000,000

ACTUAL ENROLLMENT
1966-67
FULL-TIME EQUIVALENT STUDENTS

UNIVERSITY BRANCHES AND ACADEMIC CENTERS:		
Bowling Green		
	Bryan	102
	Fostoria	161
	Fremont	194
	Sandusky	311
Central State		
	Xenia	30
Cleveland State		
	Bedford	138
	Euclid	241
	Lakewood	270
Kent State		
	Ashtabula	670
	Canton	762
	Columbiana	542
	Elyria	275
	Geauga	147
	Orrville	77
	Tuscarawas	249
	Wadsworth	292
	Warren	461
Miami		
	Hamilton	110
	Middletown	840
	Norwood	131
	Piqua	126
Ohio State		
	Lima	824
	Mansfield	1,042
	Marion	370
	Newark	487
Ohio		
	Belmont	666
	Chillicothe	462
	Ironton	220
	Lancaster	379
	Portsmouth	611
	Zanesville	496
State University Branches and Academic Centers		11,686

COMMUNITY COLLEGES:		
Cuyahoga Community College	6,075	
Lorain County Community College	1,983	
Sinclair Community College	1,006	
Total Community Colleges		9,064
INSTITUTIONS IN DEVELOPMENTAL STAGE:		
Lakeland Community College		
Clark County Technical Institute		
Jefferson County Technical Institute		
Columbus Technical Institute		
Penta-County Technical Institute		
Stark County Technical Institute		
Hillsboro Academic Center - University of Cincinnati		
Raymond Walters Branch - University of Cincinnati		
Total Enrollment - Two Year Centers		20,750

TWO-YEAR EDUCATION
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Community Colleges		$15,500,000
Technical Institutes		14,000,000
University Branches		16,500,000
	Total	$46,000,000

PROJECT DESCRIPTIONS

Community Colleges

In order to accommodate enrollment growth at each of the four community colleges now operating, additional provision must be made for physical expansion. Funds made available by the 1963-65 Bond Issues, supplemented by federal funds, have made possible development of plants adequate to serve enrollments through 1970.

In the calculation of enrollment capacities at community colleges, a standard of 75 square feet of assignable space per full-time day student has been developed. It is proposed in this item to continue expansion of these campuses to serve enrollment expectations through the year 1975. Continuing the use of a 75 square foot per full-time day student standard, state appropriations to community colleges are recommended in the following amounts.

Recommended State Appropriations:	
Cuyahoga Community College	$9,000,000
Lorain County Community Coll.	500,000
Lakeland Community College	2,500,000
Sinclair Community College	3,500,000
	$15,500,000

PROJECT DESCRIPTIONS, continued

Technical Institutes

Three technical institutes are now under development at Columbus, Clark County, and Jefferson County, with funds available from the 1963 and 1965 Bond Issues. Two others have been chartered at Stark County and Penta County which await financial arrangements for construction of physical facilities. A sixth technical program is proposed to be developed in conjunction with present operations of the Agricultural Research and Development Center at Wooster. This program will concentrate upon research, food processing, and business technologies within the field of agriculture. In order to continue the development of these programs of technical education and to assure capacities to serve anticipated enrollment growth, the following state appropriation recommendations are made. These recommendations utilize a standard of 90 square feet of assignable space per full-time day student, a standard developed by the Board of Regents to have specific applicability to technical education programs.

Recommended State Appropriations:	
Columbus Technical Institute	$3,500,000
Clark County Technical Inst.	1,500,000
Stark County Technical Inst.	3,500,000
Penta County Technical Inst.	3,500,000
Agricultural Technical Program	2,000,000
	$14,000,000

University Branches

A very substantial development of two-year commuter campuses was made possible by the Bond Issues of 1963 and 1965, and the proposals included herein call primarily for developing that system in line with anticipated enrollment growth, rather than for a general expansion of the network in terms of new locations. Substantial expansion is proposed to increase Kent State University enrollment capacities at Warren and Canton, and to expand the Raymond Walters Branch of the University of Cincinnati in northern Hamilton County. At other branch centers the initial campus developments already undertaken will be generally adequate during the period of this proposal. It is proposed that branches be established at two locations in the State not now served adequately by a commuter facility. One of these

PROJECT DESCRIPTIONS, continued

University Branches, continued

centers would be established to serve the Wayne-Medina County area, and the other would be established in the five-county area encompassing Mercer, Darke, Miami, Shelby, and Auglaize Counties.

Beyond this it is proposed that an appropriation totaling 3 million dollars be made to the Board of Regents for use in enabling various of the established branch campuses to develop and equip laboratories required for offering two-year programs of technical education.

Recommended State Appropriations:	
Columbiana Branch, Kent State University	$ 500,000
Warren Branch, Kent State University	2,500,000
Canton Branch, Kent State University	2,500,000
Walters Branch, University of Cincinnati	2,500,000
Wayne-Medina Branch	2,500,000
Mansfield Branch, Ohio State University	500,000
Mercer-Darke-Miami-Shelby-Auglaize Branch	2,500,000
Technical Education	3,000,000
	$16,500,000

OHIO AGRICULTURAL RESEARCH AND
DEVELOPMENT CENTER
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

SUMMARY

Plant Sciences Building	$ 3,000,000
Branches, Renovation and Services	2,000,000
Total	$ 5,000,000

PROJECT DESCRIPTIONS

Plant Sciences Building

A well developed program in plant pathology, which this new building will permit in substantial measure, will (1) reduce losses from plant diseases already in Ohio, (2) provide assurance that prompt action will be taken for controlling new diseases, (3) train graduate students and others, and (4) provide basic information that will lead to new ways of controlling diseases and to new insights in biology. Present space, which was not originally intended for this purpose, is being used to the maximum. Suitable laboratory and greenhouse facilities are not available for the present staff. This new building which will contain the instruments, greenhouses, environmental chambers and other facilities necessary to carry out a modern research program in plant pathology, will enable the Center to add to its staff of scientists. Increased attention will be given to diseases of plants in urban areas, where air pollution damage to plants will become an increasing problem. The new building will also provide facilities for investigating fundamental long-range problems in plant virology, the ecology of plant pathogens and the biochemistry and physiology of the pathogen-host interaction.

Recommended State Appropriation $ 3,000,000

OHIO AGRICULTURAL RESEARCH AND
DEVELOPMENT CENTER
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

PROJECT DESCRIPTIONS, continued

Branches, Renovation and Services

These funds will enable the Center to provide adequate maintenance of buildings through extensive projects of a relatively costly nature, both at the Center in Wooster and at branches throughout the State. These funds will also provide for initial investments in equipment needed for experimental and investigative work in plant and animal sciences.

Recommended State Appropriation $2,000,000

UNIVERSITY RESEARCH CENTERS
PROPOSED CAPITAL IMPROVEMENTS
APPROPRIATIONS
1967-1973

The State has made funds available to the public universities for studies of the need for and recommendations regarding University Research Centers in northeastern Ohio, northwestern Ohio, southwestern Ohio and central Ohio. This $20,000,000 capital funds allocation has been made on the assumption that research centers will be established in Ohio, of a magnitude and at locations to be determined after the studies are complete. The basic purpose of these research centers will be the promotion of economic growth and industrial expansion in Ohio.

The studies in four areas of Ohio will cover the following:

1. A study of the research interests, on an industry by industry basis, in which the industries look to the institutions of higher education for assistance.

2. An assessment of the capabilities of the various institutions of higher education in the region to meet these industry needs.

3. Development of the strategy of university-industry relationships concerned with economic growth and industrial expansion.

4. Development of a program designed to meet the desired general objective of economic growth and industrial expansion.

5. Recommendation of physical facilities and operating budgets for the support of the program.

The only study which has been completed to date (northwestern Ohio) contemplates other gains in addition to the direct promotion of economic growth and industrial expansion. These gains revolve around the advancement of education, particularly in areas of graduate study, continuing education programs, development of community leadership in solution of problems, and recruitment and retention of university personnel. This proposal calls for (1) research space (primarily flexible laboratories for basic project research at several levels), (2) service space (Bureau of Business Research, Bureau of Educational Research, communications center, computer center, library and shops for designing and repairing equipment), conference space, and office space. This study proposes the construction of a 177,400 square foot project at a cost of some $4,600,000.

The final determination as to the need for research centers in various areas in Ohio, and the capital investment to be made in each center awaits completion of the studies.

Recommended State Appropriation $20,000,000

PROGRESS REPORT

Projects Supported By

Bond Issues of 1963 and 1965

SUMMARY OF STATE FUND ALLOCATIONS

University of Akron	$ 12,000,000
Bowling Green State University	16,375,000
Central State University	5,500,000
University of Cincinnati	24,000,000
Cleveland State University	44,750,000
Kent State University	27,841,896
Miami University	18,947,440
Ohio State University	85,722,360
Ohio University	28,429,589
University of Toledo	12,000,000
Wright State University	9,000,000
Youngstown University	5,000,000
Toledo State College of Medicine	7,500,000
Cuyahoga Community College	14,021,054
Lakeland Community College	2,250,000
Lorain County Community College	6,468,922
Sinclair Community College	2,000,000
Clark County Technical Institute	2,000,000
Columbus Technical Institute	3,200,000
Jefferson County Technical Institute	1,800,000
Ohio Agricultural Research and Development Center	6,085,000
Ohio Board of Regents	339,542
Total Allocations	$335,230,803
Recoveries under Section 103, Title I Higher Education Facilities Act of 1966, 1967, 1968	$ 15,230,803
Allocated to Higher Education from 1963 and 1965 Bond Issues	$320,000,000

	Total Cost	State Funds	PROGRESS REPORT 1963-1965 BOND ISSUES Status and Completion Date
UNIVERSITY OF AKRON			
Science & Engineering Center	$10,299,001	$ 6,000,000	76% complete (Compl. Fall, 67)
Community & Technical Coll.	7,860,000	6,000,000	Construction started (Compl. Winter,68/69)
	$18,159,000	$12,000,000	
BOWLING GREEN STATE UNIV.			
Addition to Heating Plant	$ 665,916	$ 620,010	Completed
Library	4,561,472	3,401,500	Completed
Life Sciences Building	4,478,437	3,474,990	Completed
General Science & Lecture Hall Building	3,060,000	2,060,000	Plans completed (Compl.Winter 68/69)
Behavioral Science Bldg.	2,843,000	2,206,000	Construction started (Compl. Fall, 68)
General Classroom Bldg.	1,985,144	1,800,000	26% complete (Compl. Winter 67/68)
Utility Repairs & Altera.	474,000	474,000	Construction started (Compl. Fall, 67)
Remodeling Moseley Hall	98,388	98,388	Construction started (Compl. Fall, 67)
Animal House and Greenhouse	195,000	195,000	Contracts awarded (Compl. Winter, 67/68)
Improvements and Repairs (Overman Hall, former Library Building, etc.)	170,112	170,112	Various
Firelands Branch	2,875,000	1,875,000	Construction started (Compl. Fall, 68)
	$21,406,469	$16,375,000	

Firelands Branch
Bowling Green State University

PROGRESS REPORT
1963-1965 BOND ISSUES

	Total Cost	State Funds	Status and Completion Date
CENTRAL STATE UNIVERSITY			
Installation of Steam Piping System	$ 121,085	$ 121,085	Completed
Sanitary Sewer and Water Lines	55,683	55,683	Completed
Sewage Treatment Plant	98,180	98,180	Completed
Addition to Heating Plant	368,011	368,011	Completed
Physical Education Outdoor Instruction Area	130,000	125,000	Completed
Campus Lighting	127,000	127,000	Completed
Land Purchases	53,218	53,218	Purchased
General Classroom Building	913,281	913,281	Completed
Physics and Biology Building	1,531,631	1,531,631	76% complete (Compl.Fall,67)
College of Business Adm. Blg.	1,000,000	1,000,000	Plans completed (Compl.Fall, 68)
Conversion of Electrical System to Underground	425,600	425,600	Construction started (Compl.Fall, 67)
Rehabilitation of Roads	364,400	364,400	Construction started (Compl. Fall, 67)
North Trunk Sanitary Sewer	52,500	52,500	Plans started (Compl. Fall, 68)
Improvements and Repairs (Banneker Hall, Music Bldg., Window replacements, etc.)	264,411	264,411	Various
	$5,505,000	$5,500,000	
UNIVERSITY OF CINCINNATI			
Science & Engineering Complex, Phase I	$16,597,579	$11,945,250	13% complete (Compl.Winter,68/69)
Science & Engineering Complex, Phase II	9,246,814	7,052,651	Under design (Compl.Summer,69)
Utilities Expansion	3,658,035	2,833,173	12% complete (Compl.Fall, 68)
Raymond Walters Branch	3,128,249	2,168,926	69% complete (Compl. Fall,67)
	$32,630,677	$24,000,000	

Science and Engineering Center
University of Cincinnati

	Total Cost	State Funds	Status and Completion Date
CLEVELAND STATE UNIVERSITY			
Payment to Fenn College	$ 260,000	$ 260,000	Expended
Master Planning	1,158,000	1,158,000	Expended
Land	4,998,000	4,998,000	Purchased
Basic Science Building	5,400,000	4,400,000	10% completed (Compl.Summer,68)
Lecture Center and Academic Building	12,000,000	10,700,000	Construction started (Compl.Summer,69)
Library & Faculty Office Blg.	18,156,600	17,156,000	Plans completed (Compl.Summer,69)
Administration Bldg.	5,950,000	4,640,000	Under design (Compl.Spring,69)
Site Preparation	890,000	890,000	31% complete (Compl.Fall,67)
Landscaping	200,000	200,000	Architect Assigned (Compl.Summer,68)
Improvements & Repairs (Stilwell Hall, Pile driving, President's House, etc.)	348,000	348,000	Various
	$49,360,600	$44,750,000	

General Classroom Building (Education)
Kent State University

	Total Cost	State Funds	Status and Completion Date
KENT STATE UNIVERSITY			
Addition to Heating Plant	$ 391,331	$ 362,618	Completed
General Classroom Bldg.	2,600,000	2,600,000	Completed
Home Economics Bldg.	624,338	624,338	Completed
Applied Science and Fine Arts Bldg.	1,660,000	1,458,413	Completed
Chemistry Building	2,883,625	2,883,625	99% complete (Compl.Fall,67)
Library	8,066,492	4,850,000	Plans Completed (Compl.Fall,69)
General Classroom-Lang.Blg.	1,601,450	1,410,350	85% completed (Compl.Fall,67)
Biology Building	3,199,475	3,199,475	43% Completed (Compl.Spring,68)
Physics Building	1,673,642	1,500,000	17% Completed (Compl.Spring,68)
Utilities Tunnel Extension	500,000	500,000	Under design (Compl.Spring,68)
Improvements & Repairs Chairs for Auditorium, Roofing, street widening,etc.	111,181	111,181	Various

PROGRESS REPORT
1963-1965 BOND ISSUES

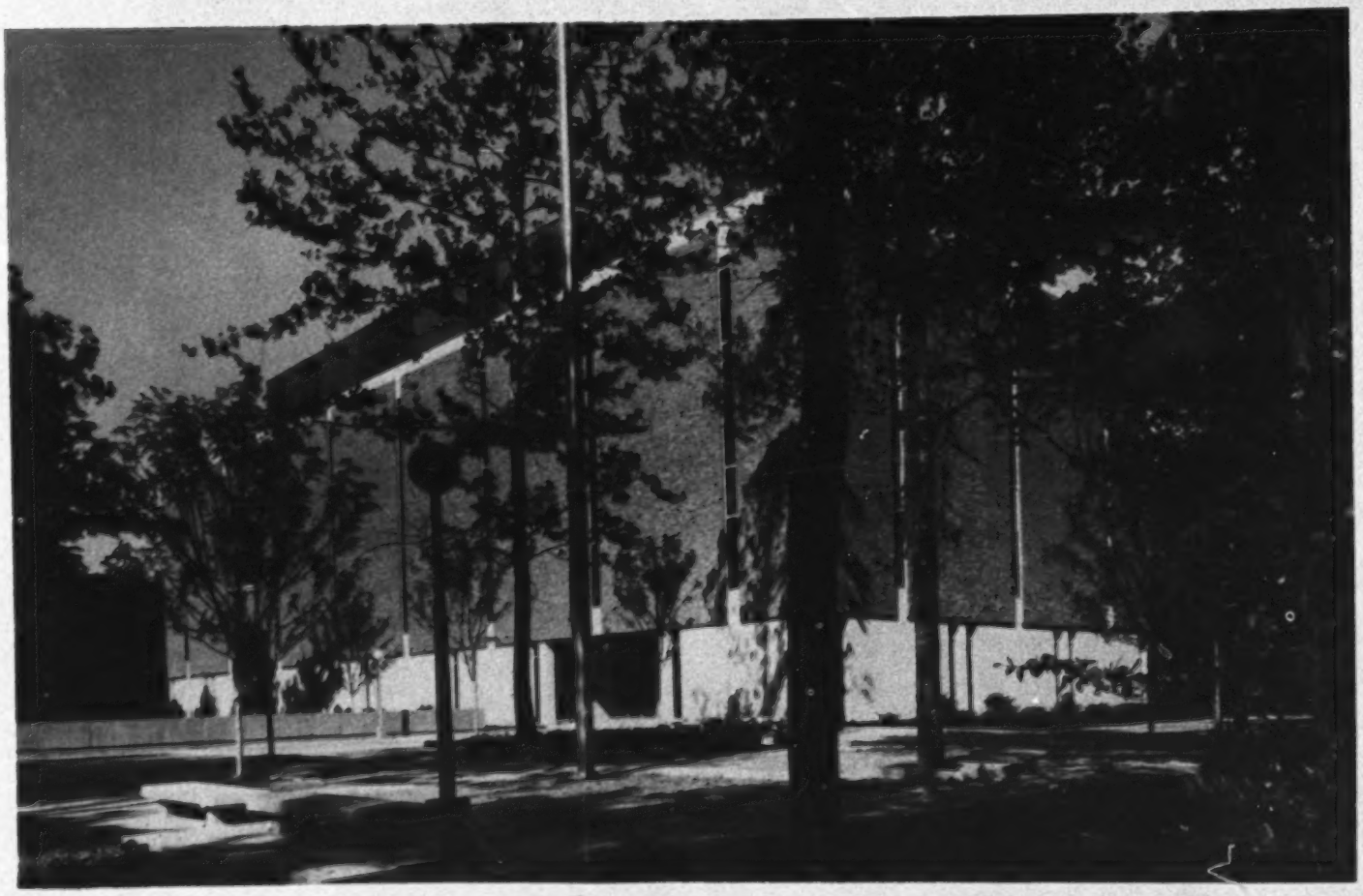
	Total Cost	State Funds	Status and Completion Date
KENT STATE UNIVERSITY (cont'd)			
Ashtabula Branch	$ 1,925,000	$ 1,925,000	Completed
Canton Branch	2,450,000	2,450,000	94% Completed (Compl.Fall,67)
Salem Academic Center	20,000	20,000	Repair and Equip. Funds Expended
Tuscarawas Branch	1,875,000	1,875,000	24% Completed (Compl.Summer,68)
Trumbull County Branch and Columbiana Cty Branch	2,071,896	2,071,896	Funds allocated by Bd. of Regents
	$31,653,430	$27,841,896	

Library
Miami University

MIAMI UNIVERSITY			
Biological Science Lab.	$ 1,792,400	$ 1,200,000	Completed
Addition to Library	1,351,328	1,351,328	Completed
Earth Sciences Building	1,614,100	1,516,333	Completed
Renovation of McGuffey Hall	684,460	625,000	Completed
Behavioral Sciences Bldg.	1,928,990	1,200,000	9% complete (Compl.Summer,68)

PROGRESS REPORT
1963-1965 BOND ISSUES

	Total Cost	State Funds	Status and Completion Date
MIAMI UNIVERSITY (cont'd)			
Chemistry Building	5,991,433	4,900,000	Construction started (Compl.Spring,69)
Dramatic Arts & Music Bldg.	3,071,463	2,000,000	Construction started (Compl.Summer,69)
Laboratory School	1,256,239	890,000	Construction started (Compl.Fall,68)
Utilities Alteration	967,884	538,000	54% complete (Compl.Winter 68/69)
Campus Improvements Sidewalk repairs, aircond. Culler Hall, Centrex System, etc.	279,339	279,339	Completed
Hamilton Branch	3,525,000	2,025,000	Construction started (Compl.Fall,68)
Middletown Branch and Technical Building	4,073,169	2,422,440	Phase I completed Tech. Bldg. started (Compl.Fall,68)
	$26,535,805	$18,947,440	



Lima Branch
Ohio State University

PROGRESS REPORT
1963-1965 BOND ISSUES

	Total Cost	State Funds	Status and Completion Date
OHIO STATE UNIVERSITY			
Rehabilitation Highway Testing Laboratory	$ 379,000	$ 379,000	Completed
Rehabilitation of Orton Hall and Mendenhall Labs.	329,218	329,218	Completed
Rehabilitation of Caldwell Laboratory	587,711	206,455	Completed
Equipment-Robinson Hall and Van deGraff Accellerator	241,960	241,960	Completed
Aero-Dynamics-Missile Propulsion Laboratory	853,000	603,000	Completed
Chemistry Research Facilities	1,577,943	1,577,943	Completed
Materials Engineering Bldg.	2,310,000	2,075,500	96% complete (Compl.Fall,67)
Physics & Astronomy Bldg.	3,529,700	3,150,307	59% Completed (Compl.Winter 67/68)
Engineering Classrm & Lab. Building	2,617,000	2,617,000	Completed
Electronics Laboratory	3,166,773	3,166,773	19% completed (Compl.Spring,68)
Systems Engineering Bldg.	3,063,400	2,910,614	47% completed (Compl.Spring,68)
Graduate Research Center-Biological Sciences	8,384,133	6,961,394	Plans completed (Compl.Winter,67/68)
Horticulture, Forestry and Food Technology Center	3,500,000	3,500,000	Construction started (Compl.Spring,69)
Dentistry Laboratories	854,500	854,500	Completed
College of Medicine Land	2,370,750	2,370,750	Purchased
Pharmacy Building	3,410,000	3,321,800	99% Complete (Compl.Summer,67)
College of Medicine-Unallocated	4,974,494	4,974,494	
College of Medicine-Boiler	379,916	379,916	Completed
College of Medicine-Master Plan & Library Plan	198,125	198,125	Completed
Medical Center Utilities	840,000	840,000	Plans completed (Compl.Spring,68)
School of Nursing	2,400,000	1,234,426	30% completed (Compl.Winter 67/68)
Wiseman Hall Addition	2,004,360	1,102,835	24% completed (Compl.Summer,68)
Basic Science Bldg.-Med.	11,635,000	6,168,877	Contract awarded (Compl.Fall,68)
Mental Retardation Center	4,950,000	1,350,000	In planning stage (Compl.Winter,68/69)
Dodd Hall Addition	1,688,000	1,249,867	Plans completed (Compl.Spring,68)

PROGRESS REPORT
1963-1965 BOND ISSUES

	Total Cost	State Funds	Status and Completion Date
OHIO STATE UNIVERSITY (cont'd.)			
Veterinary Clinic and Animal Hospital	$ 3,952,000	$ 3,952,000	Prelim. Plans compl. (Compl.Summer,69)
Humanities Center- Language Building	2,000,000	1,655,993	Plans completed (Compl.Summer,68)
Humanities Center- Speech Theater	1,400,000	1,261,289	Under design (Compl.Winter,68/69)
Printing Facilities	1,095,000	500,000	Phase I Completed (Compl.Winter,67/68)
Land for Transportation Research Center	1,000,000	1,000,000	Purchase in process
Rehabilitation-Commerce Blg.	453,978	350,628	Completed
Land	1,668,700	1,668,700	Purchased
Undergraduate Library Reserve	885,112	885,112	
Roads and Walks, Olentangy Dam,Utility Extension, Library Rehabilita.,etc.	607,683	588,229	Completed
Reserve for Repairs and Improvements	443,295	443,295	Future projects
General College	12,043,550	9,500,000	Various Bldg. I (Compl.Winter 68/69)
Lima Branch	3,947,550	3,947,550	Phase I completed Phase II construction started (Compl.Summer,68) Technical Bldg.program under development (Compl.Fall,68)
Mansfield Branch	4,259,750	4,259,750	Phase I completed Phase II 6% compl. (Compl.Spring,68) Technical Inst.program under development (Compl.Fall,68)
Marion Branch	1,952,857	1,952,857	24% completed (Compl.Spring,68)
Newark Branch	1,992,203	1,992,203	Construction started (Compl.Spring,68)
	$103,946,661	$85,722,360	

Zanesville Branch
Ohio University

	Total Cost	State Funds	Status and Completion Date
OHIO UNIVERSITY			
Land	$ 273,800	$ 273,800	Acquired
Heating Plant	2,225,235	2,000,000	Completed
Conversion of Post Office	290,292	200,000	Completed
Library	5,310,304	3,774,000	29% completed (Compl.Fall,68)
Physical Science Building	4,906,397	3,374,200	98% completed (Compl.Fall,67)
Math. & Lecture Hall Bldg.	2,662,675	1,800,000	Plans completed (Compl.Winter,68/69)
Music Building	2,826,750	2,544,500	Plans completed (Compl.Winter,68/69)
Educational TV and Theater Building	4,071,899	3,569,993	Plans completed (Compl.Summer,69)
Deferred Maintenance Repairs-Wilson Hall, Roof Repair, etc.	352,500	352,500	Completed
Repairs and Improvements	111,007	111,007	Future projects
Portsmouth Branch	2,075,000	2,075,000	Completed
Chillicothe Branch	2,158,404	2,158,404	Completed
Zanesville Branch	2,170,900	2,170,900	Completed
Belmont County Branch	2,150,285	2,150,285	Completed
Lancaster Branch	1,875,000	1,875,000	4% complete (Compl.Fall,68)
	$31,601,948	$28,429,589	

PROGRESS REPORT
1963-1965 BOND ISSUES

	Total Cost	State Funds	Status and Completion Date
UNIVERSITY OF TOLEDO			
Ritter Observatory-Planetarium	$ 925,000	$ 200,000	Bldg. occupied (Compl.Fall,67)
Biology-Chemistry Bldg.	4,902,752	3,440,000	67% complete (Compl.Fall,67)
Health Education Center	1,700,000	1,010,000	Ready to start construction (Compl.Fall,68)
Engineering Science Add.	1,140,000	1,000,000	Construction started (Compl.Fall,68)
University Hall Rehab.	350,000	350,000	Master Plan in preparation
Community & Tech. Coll.	7,300,000	6,000,000	Construction started (Compl.Fall,68)
	$16,317,752	$12,000,000	
WRIGHT STATE CAMPUS			
Science and Engineering Building, Phase II	$ 3,000,000	$ 3,000,000	Completed
Classroom Bldg., Phase III	2,835,788	2,835,788	Completed
Science & Engineering Building, Phase IV	4,000,000	3,000,000	72% completed (Compl. Fall,67)
Remodeling Allyn Hall, Access Road, etc.	164,212	164,212	Partly completed (Compl.Summer,67)
	$10,000,000	$ 9,000,000	
YOUNGSTOWN UNIVERSITY			
Engineering Building	$ 5,000,000	$ 5,000,000	86% complete (Compl.Fall,67)
	$ 5,000,000	$ 5,000,000	
TOLEDO STATE COLLEGE OF MEDICINE			
Basic & Clinical Science Facilities		$ 7,500,000	Planning underway Temporary Facilities (Compl.Fall,67)
		$ 7,500,000	

PROGRESS REPORT
1963-1965 BOND ISSUES

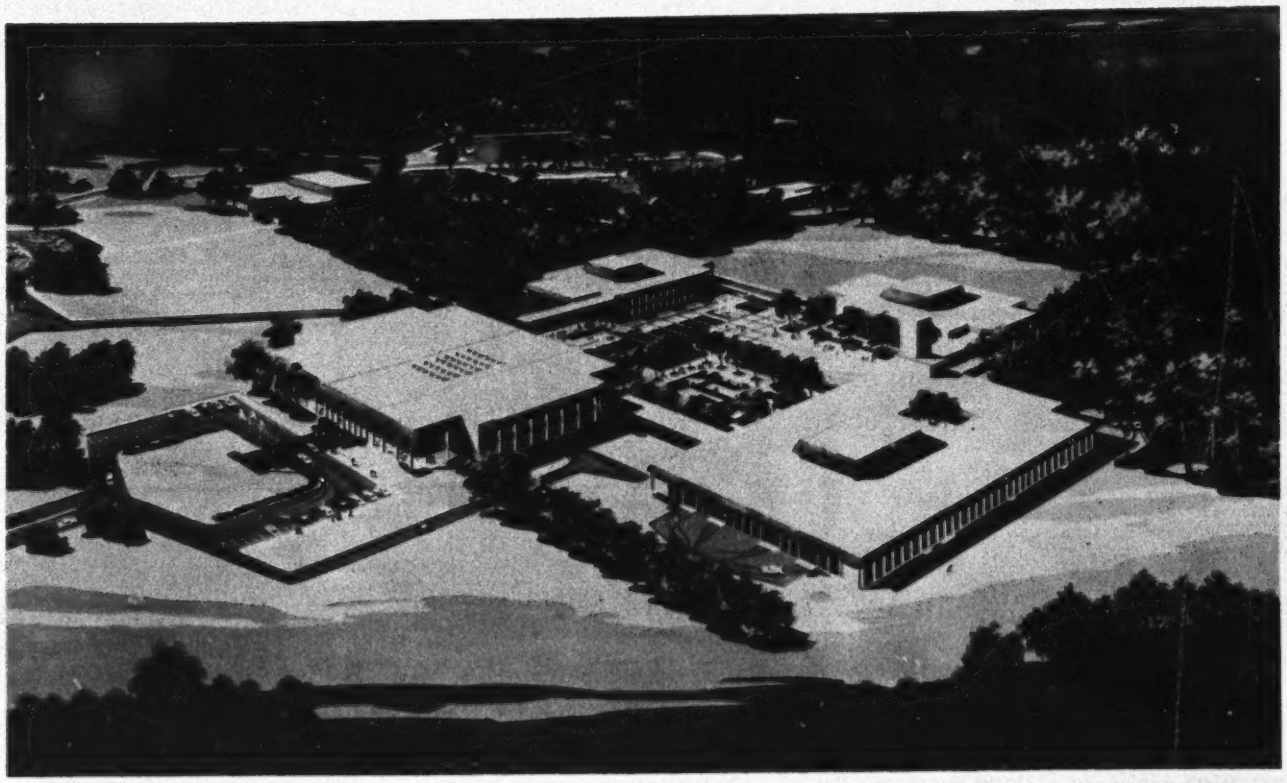
	Total Cost	State Funds	Status and Completion Date
CUYAHOGA COMMUNITY COLLEGE			
Land	$ 780,000	$ 780,000	Completed
Phase I construction	10,273,249	5,727,000	24% complete (Compl.Fall,68)
Phase II construction	13,506,751	7,514,054	Plans complete (Compl.Spring,69)
	$24,560,000	$14,021,054	

Metropolitan Campus
Cuyahoga Community College

LAKELAND COMMUNITY COLLEGE			
Land, Plans and Construc.	$ 3,000,000	$ 2,250,000	Planning underway (Compl.Spring, 69)
	$ 3,000,000	$ 2,250,000	

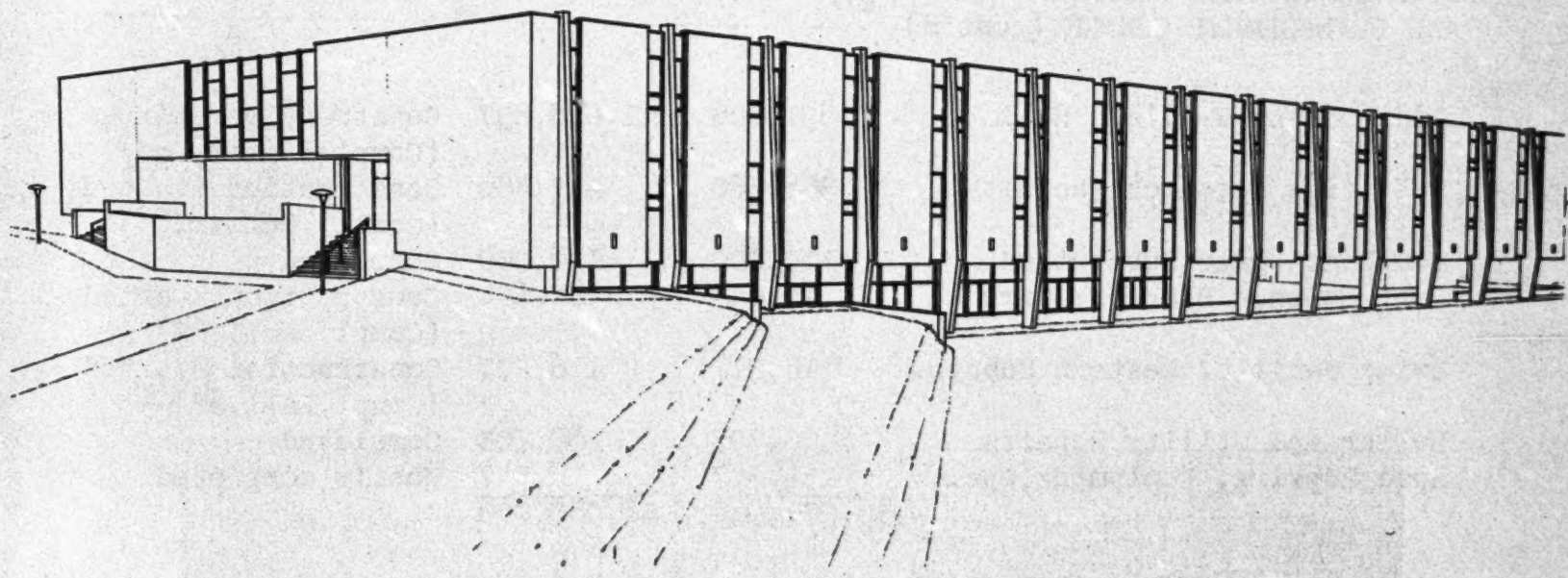
PROGRESS REPORT
1963-1965 BOND ISSUES

	Total Cost	State Funds	Status and Completion Date
LORAIN COUNTY COMMUNITY COLLEGE			
Phase I Construction	$ 7,800,000	$ 3,400,000	Completed
Phase II Construction	3,000,000	3,068,922	86% complete (Compl.Fall,67)
	$10,800,000	$ 6,468,922	



Lorain County Community College

SINCLAIR COMMUNITY COLLEGE			
Land, Plans and Construction	$ 5,000,000	$ 2,000,000	Planning underway (Compl.Winter,67/68)
	$ 5,000,000	$ 2,000,000	
CLARK COUNTY TECHNICAL INST.			
Land, Plans and Construction	$ 2,667,000	$ 2,000,000	1% Completed (Compl. Fall, 68)
	$ 2,667,000	$ 2,000,000	



Clark County Technical Institute

	Total Cost	State Funds	Status and Completion Date
JEFFERSON COUNTY TECHNICAL INSTITUTE			
Land, Plans and Construction	$ 2,337,500	$ 1,800,000	Planning underway (Compl. Fall, 68)
	$ 2,337,500	$ 1,800,000	
OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER			
Grain Storage & Processing Building	$ 278,651	$ 278,651	Completed
Research Operation Service Building	271,856	271,856	Completed
Agronomy and Forestry Greenhouses & Headhouse	498,572	498,572	Completed
Poultry Plant & Facilities	170,713	170,713	Completed
Animal Science, Dairy and Poultry Building	1,236,910	1,236,910	Completed
Corn Virus Disease Research	49,994	49,994	Completed
Library, Statistical Lab. and Auditorium	1,676,000	1,463,096	7% Complete (Compl.Winter,67/68)
Beef Cattle Research Unit	409,698	409,698	Construction started (Compl.Winter,67/68)

	Total Cost	State Funds	Status and Completion Date
OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (cont'd)			
Addition to Williams Hall	891,806	1,028,857	Construction started (Compl.Summer, 68)
Pesticide Research Facility	368,560	257,480	Construction started (Compl. Summer,68)
Southeast Ohio Substation	100,000	100,000	Completed
Vet. Science Bldg. repairs	85,644	85,644	Construction started (Compl. Fall,67)
Swine Facilit. Western Substa.	116,277	116,277	Construction started (Compl.Fall,67)
Boiler and Utility Repairs	60,705	60,705	Completed
Road Repairs, Equipment,etc.	56,547	56,547	Mostly completed
	$6,271,939	$6,085,000	
COLUMBUS TECHNICAL INSTITUTE			
Land, Plans and Construction	$ 4,455,480	$ 3,200,000	Planning underway (Compl. Fall, 68)
	$ 4,455,480	$ 3,200,000	

Columbus Technical Institute

PROGRESS REPORT
1963-1965 BOND ISSUES

	Total Cost	State Funds	Status and Completion Date
OHIO BOARD OF REGENTS			
Academy for Educational Development	$ 195,500	$ 153,000	Completed
Modular Construction	112,066	112,066	Completed
Standard Information System	48,000	48,000	Completed
Preliminary Planning -			
Ohio State University Communication Center	15,267	15,267	Completed
Printing Master Plan, etc.	11,209	11,209	Completed
	$382,042	$ 339,542	

APPENDIX A

Institutional Capacities for Enrollment Growth

1966 to 1970

Insert photo reduction of Table

"Institutional Capacities for Enrollment Growth"

Institutional Capacities for Enrollment Growth
State-Assisted Institutions of Higher Education
Encompassing Existing Facilities and Projects Supported by the 1963 and 1965 Bond Issues

		Calculated Capacities									
		1966					1970				
University Campuses	Actual 1966 Fall H.C.	Sq. Feet of Space*	Per Stu. Standard	FT Day Cap.	PT Cap.	Total Cap.	Sq. Feet of Space*	Per Stu. Standard	FT Day Cap.	PT Cap.	Total Cap.
Akron	11,856	343,456	75	4,600	4,600	9,200	550.644	75	7,350	7,350	14,700
Bowling Green	11,267	522,466	75	7,000	775	7,775	887,618	75	11,840	1,300	13,140
Central State	2,212	179,195	75	2,400	275	2,675	247,173	75	3,300	360	3,660
Cleveland State	7,019	188,859	75	2,500	2,500	5,000	677,493	75	9,050	9,050	18,100
Kent State	17,169	647,580	75	8,600	2,100	10,700	1,017,914	75	13,600	3,400	17,000
Miami	10,648	672,513	75	9,000	1,000	10,000	950,394	75	12,700	1,400	14,100
Ohio	15,116	736,918	75	9,800	1,050	10,850	1,185,380	75	15,800	1,750	17,550
Ohio State	36,922	3,655,732	125	29,200	3,200	32,400	4,730,922	125	37,850	4,150	42,000
O.S.U.Gen.College	-	-	-	-	-	-	215,000	60	3,600	3,600	7,200
Toledo	11,590	533,431	75	7,100	7,100	14,200	770,805	75	10,300	10,300	20,600
Wright	4,595	214,450	75	2,900	2,900	5,800	287,474	75	3,800	3,800	7,600
Cincinnati	25,528	956,661	90	10,600	10,600	21,200	1,271,813	90	14,100	14,100	28,200
Youngstown	12,033	175,000	75	2,300	2,300	4,600	315,000	75	4,200	4,200	8,400
	165,955	8,826,261		96,000	38,400	134,400	13,107,630		147,490	64,760	212,250
Community Colleges											
Cuyahoga	10,609	157,559	75	2,100	3,100	5,200	380,000	75	5,100	7,650	12,750
Lakeland	-	-	-	-	-	-	80,000	75	1,065	1,600	2,665
Lorain	2,751	55,655	75	740	1,100	1,840	148,726	75	1,980	2,970	4,950
Sinclair	2,231	13,164	75.	175	260	435	146,000	75	1,950	2,925	4,875
	15,591	226,378		3,755	4,460	7,475	754,726		10,095	15,145	25,240
Technical Institutes											
Clark	-	-	90	-	-	-	50,000	90	550	350	900
Jefferson	-	-	90	-	-	-	56,500	90	625	400	1,025
Columbus	500	22,000	90	245	165	410	105,180	90	1,170	780	1,950
Penta	-	-	90	-	-	-	50,000	90	550	350	900
	500	22,000		245	165	410	261,680		2,895	1,880	4,775
Branches											
Firelands	-	-	60	-	-	-	61,000	60	1,015	1,015	2,030
Walters	-	-	60	-	-	-	62,000**	60	1,035	1,035	2,070
Ashtabula	-	-	60	-	-	-	70,000	60	1,165	1,165	2,330
Canton	-	-	60	-	-	-	65,000	60	1,080	1,080	2,160
Salem	-	-	60	-	-	-	10,800	90	120	80	200
E. Liverpool	-	-	60	-	-	-	72,000	60	1,200	1,200	2,400
Tuscarawas	-	-	60	-	-	-	60,000	60	1,000	1,000	2,000
Warren	-	-	60	-	-	-	50,000	60	835	835	1,670
Hamilton	-	-	60	-	-	-	67,000	60	1,115	1,115	2,230
Middletown	1,386	71,000	60	1,180	1,180	2,360	111,000**	60	1,850	1,850	3,700
Lima	903	54,000	60	900	900	1,800	91,000**	60	1,500	1,500	3,000
Mansfield	1,139	58,000	60	965	965	1,930	97,000**	60	1,615	1,615	3,230
Marion	-	-	60	-	-	-	47,000	60	785	785	1,570
Newark	-	-	60	-	-	-	61,000	60	1,020	1,020	2,040
Belmont	-	-	60	-	-	-	61,000	60	1,020	1,020	2,040
Chillicothe	-	-	60	-	-	-	61,000	60	1,020	1,020	2,040
Lancaster	-	-	60	-	-	-	62,000	60	1,035	1,035	2,070
Portsmouth	-	-	60	-	-	-	71,000	60	1,180	1,180	2,360
Zanesville	-	-	60	-	-	-	67,000	60	1,120	1,120	2,240
	3,428	183,000		3,045	3,045	6,090	1,246,800		20,710	20,670	41,380
Subtotals	185,474	9,257,639		100,205	42,970	143,175	15,370,836		181,190	102,455	283,645
Academic Centers	14,700					-					-
Grand Totals	200,175					143,175					283,645

*Net square feet of space devoted to instruction, libraries, research, student services, and administration.

**these campuses will by 1970 have developed various facilities for technical education which may warrant a higher overall standard of space needs.

Note: See following page for Key to Standards of Space Needs and Key to Calculating Effective Part-Time Capacities

Key to Standards of Space Needs

	Net Square Feet of Space
Main Campuses	
General Universities	75
Two-year campus offering general education and a well-developed technical education program	75
Ohio State University	125
U. of Cincinnati	90
Technical education program organized separately	90
Two-year program of general education	60

Key to Calculating Effective Part-Time Capacities for Purposes of this Analysis

	Full-Time	Part-Time
Urban-based general Universities: UA, UT, UC, YU, Clev., Wright	50%	50%
Residential Universities: BG, MU, OU	90	10
KSU	80	20
Tech. Institutes	60	40
Community Colleges	40	60
Branches	50	50
OSU	90	10
OSU General College	50	50

APPENDIX B

Space Needs and Utilization Standards

Ohio Board of Regents

Ohio Board of Regents

Space Needs Standards

General Universities

	Square Feet Per Person
1. Lecture Hall	
a. 300 capacity or more	10
b. Under 300 capacity	12
2. Classroom	
a. 60-90 capacity	15
b. 30-60 capacity	17
c. 25 capacity	18
3. Seminar (Conference) Room	25
4. Teaching Laboratory(including service areas)	
a. Lower division	40
b. Upper division	100
c. Graduate	150
d. Drafting room	35
e. Fine arts studio	50
5. Faculty	
a. Office	120
b. Chairman	150
c. Clerical	100
d. Research (science and engineering)	300
e. Teaching assistant	100
6. Library	
a. 1/3 full-time student body	30
b. Stacks, 0.07 square feet per volume	
7. Gymnasium	10
8. Auditorium	20
9. Ratio of gross space to net space, 1.6 times	

Ohio Board of Regents

Space Utilization Standards

General Universities

	Hours Per Week	Per Cent Use of Student Stations
Lecture Hall	30	75
Classroom	36	80
Teaching Laboratory		
lower division	30	80
upper division	20	80

Ohio Board of Regents

Space Needs Standards
University Branch Facility
1,000 Full-Time Day-Time Students

	Sq. Ft.	
Classrooms		
3 rooms, 80 stations (25'x50')	3,750	
30 rooms, 40 stations (25'x25')	18,750	
10 rooms, 30 stations (25'x20')	5,000	27,500
Lecture Room		
375 capacity (50'x75')		3,750
Laboratories		
2 Biological Science (25'x40')	2,000	
2 Chemistry (25'x40')	2,000	
1 Physics (25'x40')	1,000	
3 storage rooms (25'x10')	750	5,750
Miscellaneous		
Art Laboratory (25'x50')	1,250	
Music Room (25'x50')	1,250	
Book Store (30'x35')	1,050	
Health Clinic (10'x30')	300	3,850
Library		
Reading Room (50'x100')	5,000	
Stacks, 2 floors (25'x60')	3,000	8,000
Student Lounge and General Purpose (50'x75')		3,750
Faculty		
45 Offices (10'x10')	4,500	
10 General Offices (10'x10')	1,000	
Lounge (25'x20')	500	6,000
Administrative		
Office Space (25'x40')		2,000
Net Assignable Space		60,600
Services, Corridors, Mechanical		30,000
Gross Space		90,600

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Space Needs Standards

Basic Technical Education Building
University Branch Campus

	Square Feet
Technical Laboratories	18,500
Faculty Offices	4,000
Administrative area	1,800
Vending and general purpose	1,200
Receiving and storage	1,500
Net assignable space	27,000
Service space	12,000
Gross Space	39,000

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Space Needs Standards

Technical Institute
600 F.T.E. Students

GENERAL

The typical technical institute will consist of one building which will contain all the necessary uses and facilities required by the students and faculty in the course of a normal instructional day.

No residence facilities will be provided and eating facilities will be limited to vending machines located in the general purpose room of the building.

There will be no facilities provided for physical education, either indoor or outdoor.

EDUCATIONAL PROGRAM

The general space needs assume a typical educational program of four departments with twelve major areas of study as follows:

Business Technologies
1. Accounting
2. Data Processing
3. Retailing
4. Secretarial Science

Engineering Technologies
1. Chemical
2. Civil
3. Electrical
4. Mechanical

Health Technologies
1. Dental
2. Nursing

Special Technologies
1.)
2.) Dependent on local needs

SPACE REQUIREMENTS

No.	Type Use	Approx. Size	Stu.Sta. Ea.Rm.	Total Stu.Sta.	Total Sq. Ft.
18	Classrooms (at least 2 rooms to be connected by operable walls)	20' x 30'	30	540	10,800
4	Drafting Rooms	50' x 30'	30	120	6,000
4	Engineering Labs.	60' x 30'	30	120	7,200
3	Business Labs.	35' x 30'	40	120	3,150
5	Science Labs.	40' x 30'	36	180	6,000
2	Medical-Dental Labs.	35' x 30'	30	60	2,100
1	Library	60 x 100'	-	-	6,000
I	Entry and Student Lounge	30' x 40'	-	-	1,200
1	Bookstore	35' x 30'	-	-	1,050
1	Health Clinic	10' x 30'	-	-	300
1	Vending and General Purpose	30' x 40'	-	-	1,200
12	Faculty Offices (Doubles)	10' x 15'	-	-	1,800
6	Faculty Offices (Singles)	10' x 10'	-	-	600
2	Faculty Conference Rooms	10' x 20'	-	-	400
1	Faculty Lounge	30' x 30'	-	-	900
1	Faculty Secretarial	20' x 30'	-	-	600
6	Misc. Offices (Student activities, counseling, etc.)	10' x 15'	-	-	900
1	Administrative Area	60' x 30'	-	-	1,800
1	Receiving, Storage & Maint.	50' x 30'	-	-	1,500
				Net Assignable Sq. Ft.	53,500
				Service, Corridors & Mech.	27,000
				Gross Sq. Ft.	80,500

LAND AREA REQUIREMENTS

1. Building and open area	4 acres
2. Off-Street Parking and Buffer area (400 cars)	6 acres
Total required	10 acres